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TABLES OF ASSOCIATED SINE AND COSINE INTEGRAL FUNCTIONS AND OF RELATED COMPLEX-VALUED FUNCTIONS

---BY---

WILLIARD EVAN BLEICK
PROFESSOR OF MATHEMATICS AND MECHANICS

A REPORT
TO THE NAVY DEPARTMENT
BUREAU OF SHIPS
UPON AN INVESTIGATION CONDUCTED UNDER
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WILLARD EVAN BLEICK
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REPORT NO. 7

J. G. Chaney

J. G. CHANEY
Chief Investigator

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TABLES OF ASSOCIATED SINE AND COSINE INTEGRAL FUNCTIONS AND OF RELATED COMPLEX-VALUED FUNCTIONS

Willard Evan Bleick*
United States Naval Postgraduate School
Monterey, California

ABSTRACT

The associated sine and cosine integral functions,

$$\mathrm{Sia}(x,y) = \int_0^x \frac{t \sin t \, dt}{t^2 + y^2}$$

and

$$\mathrm{Cia}(x,y) = \int_\infty^x \frac{t \cos t \, dt}{t^2 + y^2} ,$$

introduced by Chaney[1] in his studies of rhombic antennas, are tabulated for $x = 0(.1)3.1$ and $y = 0(.1)3.1$. These functions have been evaluated in terms of the sine and cosine integral functions, $\mathrm{Si}(x+jy)$ and $\mathrm{Ci}(x+jy)$ for complex argument $x+jy$, which are also tabulated for the same values of x and y. Power series and asymptotic series are given for the four functions.

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* Professor of mathematics and mechanics

1. J. G. Chaney, 'Mutual impedance of stacked rhombic antennas', U. S. Naval Postgraduate School Technical Report No. 8, February, 1953.

SINE AND COSINE INTEGRAL FUNCTIONS FOR COMPLEX ARGUMENT

The sine and cosine integral functions for complex argument may be defined as

$$Si(x+jy) = \int_{0+jy}^{x+jy} \frac{\sin z \, dz}{z} \qquad (1)$$

and

$$Ci(x+jy) = \int_{\infty+jy}^{x+jy} \frac{\cos z \, dz}{z} \quad , \qquad (2)$$

where $z = x+jy$ and the path of integration is parallel to the real axis, i.e. $dz = dx$. If the integrands are expanded in power series, term-by-term integration gives

$$Si(x+jy) = -j\frac{Ei(y)-Ei(-y)}{2} + (x+jy) - \frac{(x+jy)^3}{3!3} + \frac{(x+jy)^5}{5!5} - \ldots . \qquad (3)$$

$$= (P_1 - P_3) + j\left(Q_1 - Q_3 - \frac{Ei(y)-Ei(-y)}{2}\right)$$

and

$$Ci(x+jy) = C + \log_e(x+jy) - \frac{(x+jy)^2}{2!2} + \frac{(x+jy)^4}{4!4} - \ldots . \qquad (4)$$

$$= (C-P_2+P_4+(1/2)\log_e(x^2+y^2)) + j(Q_4-Q_2+\arctan\tfrac{y}{x})$$

where $C=0.577215\ 664902$ is the Euler constant and the real functions P_1 , P_2 , P_3 , P_4 , Q_1 , Q_2 , Q_3 and Q_4 are defined as follows:

$$P_k(x,y) = \sum_{n=0}^{\infty} \frac{\mathrm{Re}\,(x+jy)^{k+4n}}{(k+4n)!(k+4n)} \quad , \quad k=1,2,3,4 \qquad (5)$$

and

$$Q_k(x,y) = \sum_{n=0}^{\infty} \frac{\mathrm{Im}\,(x+jy)^{k+4n}}{(k+4n)!(k+4n)} \quad , \quad k=1,2,3,4 \quad . \qquad (6)$$

The following usefull symmetry properties of the $P_k(x,y)$ and $Q_k(x,y)$ functions may be mentioned:

$$\begin{aligned} P_1(x,y) &= Q_1(y,x) \quad , \quad Q_1(x,y) = P_1(y,x) \\ P_2(x,y) &= -P_2(y,x) \quad , \quad Q_2(x,y) = Q_2(y,x) \\ P_3(x,y) &= -Q_3(y,x) \quad , \quad Q_3(x,y) = -P_3(y,x) \\ P_4(x,y) &= P_4(y,x) \quad , \quad Q_4(x,y) = -Q_4(y,x) \quad . \end{aligned} \qquad (7)$$

Tables I and II give the real and imaginary parts of the $Ci(x+jy)$ and $Si(x+jy)$ functions to twelve decimal places for $x=0(.1)3.1$ and $y=0(.1)3.1$. Tabulations of these functions were accomplished by I.B.M. machinery, using 12-decimal-place punched card tables of $P_k(x,y)$ and $Q_k(x,y)$ supplied through the courtesy of Dr. Gertrude Blanch of the Institute for Numerical Analysis, Los Angeles, California, and using 14-decimal-place punched card tables of the function

$$\log_e(x+jy) = (1/2)\log_e(x^2+y^2) + j \arctan \frac{y}{x} \qquad (8)$$

supplied through the courtesy of Dr. Milton Abramowitz of the National Applied Mathematics Laboratories, Washington, D. C. These punched card tables appear to be correct to all decimal places given. Nevertheless the punched card tables of the $P_k(x,y)$ and $Q_k(x,y)$ functions are guaranteed by the Institute for Numerical Analysis to 10 decimal places only. The functions tabulated in this report, therefore, cannot be guaranteed to have an accuracy of more than 10 decimal places.

As $x+jy$ approaches zero, equation (3) shows that

$$Si(x+jy) = x - \frac{x^3 + 3jx^2y - 3xy^2}{3!3} \qquad (9)$$

approximately, if terms of the third degree and lower only are retained. As $x+jy$ approaches zero, equation (4) shows that $Ci(x+jy)$ has a logarithmic singularity such that

$$Ci(x+jy) = C + (1/2)\log_e(x^2+y^2) + j \arctan \frac{y}{x} \qquad (10)$$

approximately, if powers of $x+jy$ are neglected. Equation (10) shows that interpolation for the $Ci(x+jy)$ function in Table I for values of $x+jy$ near zero may be accomplished most accurately by first subtracting out the rapidly varying $(1/2)\log_e(x^2+y^2)$ and $\arctan \frac{y}{x}$ terms, which can be evaluated from tables of the logarithmic and inverse tangent functions. Equation (4) shows that when $x=0$, but $y\neq 0$, the exact value of the cosine integral function is

$$Ci(0+jy) = \frac{Ei(y)+Ei(-y)}{2} + j\frac{\pi}{2} \quad . \qquad (11)$$

To obtain an asymptotic series for $Si(x+jy)$ for large values of $x+jy$ it is convenient to rewrite equation (1) in the form

$$Si(x+jy) = \int_{\infty+jy}^{x+jy} \frac{\sin z\, dz}{z} + \int_{0+jy}^{\infty+jy} \frac{\sin z\, dz}{z} \quad . \qquad (12)$$

In equation (12) evaluate the first integral by a repeated integration-by-parts of the trigonometric factor, and evaluate the second integral by means of equation (3) making use of the fact that, for all finite values of y,

$$\lim_{x\to\infty}\left(x+jy - \frac{(x+jy)^3}{3!3} + \frac{(x+jy)^5}{5!5} - \ldots.\right) = Si(\infty) = \pi/2 \quad .$$

This process gives, for finite values of y, the following asymptotic expansion

$$Si(x+jy) =$$

$$\frac{\pi}{2} - j\frac{Ei(y)-Ei(-y)}{2} - P(x+jy)\cos(x+jy) - Q(x+jy)\sin(x+jy) \qquad (13)$$

where $P(x+jy)$ and $Q(x+jy)$ are the asymptotic series

$$P(x+jy) = \frac{1}{x+jy} - \frac{2!}{(x+jy)3} + \frac{4!}{(x+jy)5} - \ldots\ldots \quad , \qquad (14)$$

$$Q(x+jy) = \frac{1}{(x+jy)^2} - \frac{3!}{(x+jy)^4} + \frac{5!}{(x+jy)^6} - \ldots. \quad . \qquad (15)$$

In the practical use of equation (13), the summation of multiples of inverse powers of $x+jy$ is stopped just before the term of minimum absolute value is reached. The error in $Si(x+jy)$ made by stopping the summation at this point is then less in absolute value than this term of minimum absolute value, and is of the same algebraic sign[2]. A similar treatment of the integral defining $Ci(x+jy)$ gives the following asymptotic expansion

$$Ci(x+jy) = P(x+jy)\sin(x+jy) - Q(x+jy)\cos(x+jy) \quad . \qquad (16)$$

If the horizontal bar be used to denote the complex conjugate, the following relations for negative arguments may be obtained from (3) and (4):

$$Si(x-jy) = \overline{Si(x+jy)} \quad , \quad Ci(x-jy) = \overline{Ci(x+jy)}$$

$$Si(-x+jy) = -\overline{Si(x+jy)} \quad , \quad Ci(-x+jy) = \overline{Ci(x+jy)} + j\pi$$

$$Si(-x-jy) = -Si(x+jy) \quad , \quad Ci(-x-jy) = Ci(x+jy) + j\pi \quad .$$

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2. K. Knopp, 'Theory and Application of Infinite Series', Blackie & Son Ltd., London and Glasgow, 1928, page 540.

ASSOCIATED SINE AND COSINE INTEGRAL FUNCTIONS

The associated sine and cosine integral functions are defined by the equations

$$\mathrm{Sia}(x,y) = \int_0^x \frac{t \sin t \, dt}{t^2 + y^2} \tag{17}$$

and

$$\mathrm{Cia}(x,y) = \int_\infty^x \frac{t \cos t \, dt}{t^2 + y^2} \quad , \tag{18}$$

and were first introduced by Chaney[3] in his studies of rhombic antennas. By use of partial fractions (17) may be expressed as

$$\begin{aligned}\mathrm{Sia}(x,y) = {} & \frac{\cos jy}{2} \int_{0+jy}^{x+jy} \frac{\sin(t+jy)\, d(t+jy)}{t+jy} \\ & - \frac{\sin jy}{2} \int_{0+jy}^{x+jy} \frac{\cos(t+jy)\, d(t+jy)}{t+jy} \\ & + \frac{\cos jy}{2} \int_{0-jy}^{x-jy} \frac{\sin(t-jy)\, d(t-jy)}{t-jy} \\ & + \frac{\sin jy}{2} \int_{0-jy}^{x-jy} \frac{\cos(t-jy)\, d(t-jy)}{t-jy} \quad , \end{aligned} \tag{19}$$

$$\begin{aligned}\text{or} \quad \mathrm{Sia}(x,y) = {} & \mathrm{Re}\ \mathrm{Si}(x+jy) \cosh y + \mathrm{Im}\ \mathrm{Ci}(x+jy) \sinh y \\ & + \frac{j \sinh y}{2} \int_{\infty+jy}^{0+jy} \frac{\cos(t+jy)\, d(t+jy)}{t+jy} \\ & - \frac{j \sinh y}{2} \int_{\infty-jy}^{0-jy} \frac{\cos(t-jy)\, d(t-jy)}{t-jy} \quad , \end{aligned} \tag{20}$$

or

$$\mathrm{Sia}(x,y) = \mathrm{Re}\ \mathrm{Si}(x+jy)\cosh y + \mathrm{Im}\ \mathrm{Ci}(x+jy)\sinh y - \mathrm{Im}\ \mathrm{Ci}(0+jy)\sinh y \tag{21}$$

or, by use of equation (11),

$$\mathrm{Sia}(x,y) = \mathrm{Re}\ \mathrm{Si}(x+jy)\cosh y + \left(\mathrm{Im}\ \mathrm{Ci}(x+jy) - \frac{\pi}{2}\right)\sinh y \quad , \tag{22}$$

or, by use of equations (3) and (4),

$$\mathrm{Sia}(x,y) = (P_1 - P_3)\cosh y - \left(\frac{\pi}{2} + Q_2 - Q_4 - \arctan \frac{y}{x}\right)\sinh y \quad . \tag{23}$$

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3. J. G. Chaney, 'Mutual impedance of stacked rhombic antennas', U. S. Naval Postgraduate School Technical Report No. 8, February, 1953. Report No. 5 of Bureau of Ships Project Order 10731/52.

By a similar use of partial fractions equation (18) may be expressed as

$$\mathrm{Cia}(x,y) = \mathrm{Re}\ \mathrm{Ci}(x+jy)\cosh y - \mathrm{Im}\ \mathrm{Si}(x+jy)\sinh y + \mathrm{Im}\ \mathrm{Si}(\infty+jy)\sinh y \quad (24)$$

or, by use of equation (13),

$$\mathrm{Cia}(x,y) = \mathrm{Re}\ \mathrm{Ci}(x+jy)\cosh y - \left(\mathrm{Im}\ \mathrm{Si}(x+jy) + \frac{\mathrm{Ei}(y)-\mathrm{Ei}(-y)}{2} \right)\sinh y \quad , \quad (25)$$

or, by use of equations (3) and (4),

$$\mathrm{Cia}(x,y) = \left(C - P_2 + P_4 + \frac{1}{2}\log_e(x^2+y^2)\right)\cosh y - (Q_1 - Q_3)\sinh y. \quad (26)$$

Table III gives the $\mathrm{Cia}(x,y)$ and $\mathrm{Sia}(x,y)$ functions to 12 decimals for $x = 0(.1)3.1$ and $y = 0(.1)3.1$. The tabulations of these functions were accomplished by I.B.M. machinery, using the punched card tables of the $P_k(x,y)$, $Q_k(x,y)$ and $\log_e(x+jy)$ functions previously referred to in this report. The previous comments regarding the accuracy of Tables I and II also apply to Table III.

As x and y approach zero, equations (9), (10) and (22) show that

$$\mathrm{Sia}(x,y) = x - \frac{x^3-3xy^2}{3!3} - \left(y + \frac{y^3}{3!}\right)\arctan\frac{x}{y} \quad (27)$$

approximately, if terms of the third degree and lower only are retained. As x and y approach zero, equations (9), (10) and (25) show that $\mathrm{Cia}(x,y)$ has a logarithmic singularity such that

$$\mathrm{Cia}(x,y) = C + \frac{1}{2}\log_e(x^2+y^2) \quad (28)$$

approximately, if powers of x and y are neglected. Equation (26) shows that interpolation for the $\mathrm{Cia}(x,y)$ function in Table III for values of x and y near zero may be accomplished most accurately by first subtracting out the rapidly varying $(1/2)\cosh y \log_e(x^2+y^2)$ term, which can be evaluated from tables of the hyperbolic cosine and logarithmic functions. Equations (11) and (25) show that when $x=0$, but $y \neq 0$, the exact value of the associated cosine integral function is

$$\mathrm{Cia}(0,y) = \frac{e^{y}\mathrm{Ei}(-y)+e^{-y}\mathrm{Ei}(y)}{2} \quad . \quad (29)$$

To obtain an asymptotic series for $\mathrm{Sia}(x,y)$ for large values of x and y, substitute $\mathrm{Si}(x+jy)$ and $\mathrm{Ci}(x+jy)$ from equations (13) and (16), respectively, into equation (22) to obtain

$$\mathrm{Sia}(x,y) = \frac{\pi}{2}e^{-y} - \mathrm{Re}\ P(x+jy)\cos x - \mathrm{Re}\ Q(x+jy)\sin x \quad . \quad (30)$$

From equation (30) it follows that when x increases without limit

$$\lim_{x\to\infty} \mathrm{Sia}(x,y) = \mathrm{Si}(\infty,y) = \frac{\pi}{2} e^{-y} \quad . \qquad (31)$$

To obtain an asymptotic series for $\mathrm{Cia}(x,y)$ for large values of x and y, substitute $\mathrm{Si}(x+jy)$ and $\mathrm{Ci}(x+jy)$ from equations (13) and (16), respectively, into equation (25) to find the relation

$$\mathrm{Cia}(x,y) = \mathrm{Re}\ P(x+jy)\sin x - \mathrm{Re}\ Q(x+jy)\cos x \quad . \qquad (32)$$

The following relations for negative arguments may be obtained from (17) and (18) :

$$\mathrm{Sia}(-x,y) = -\mathrm{Sia}(x,y) \quad , \quad \mathrm{Cia}(-x,y) = \mathrm{Cia}(x,y)$$

$$\mathrm{Sia}(x,-y) = \mathrm{Sia}(x,y) \quad , \quad \mathrm{Cia}(x,-y) = \mathrm{Cia}(x,y)$$

$$\mathrm{Sia}(-x,-y) = -\mathrm{Sia}(x,y) \quad , \quad \mathrm{Cia}(-x,-y) = \mathrm{Cia}(x,y) \quad .$$

Table III gives the $\mathrm{Cia}(x,y)$ and $\mathrm{Sia}(x,y)$ functions for the rather limited range $x = 0(.1)3.1$, $y = 0(.1)3.1$. It is anticipated that it will be possible to tabulate these functions in a future report over a more extended range.

Table I

y	x	Re Ci(x+jy)	Im Ci(x+jy)
0.0	0.1	-1.727868 386656	0.000000 000000
0.0	0.2	-1.042205 595672	0.000000 000000
0.0	0.3	-0.649172 932970	0.000000 000000
0.0	0.4	-0.378809 346424	0.000000 000000
0.0	0.5	-0.177784 078805	0.000000 000000
0.0	0.6	-0.022270 706958	0.000000 000000
0.0	0.7	0.100514 707010	0.000000 000000
0.0	0.8	0.198278 615954	0.000000 000000
0.0	0.9	0.276067 830469	0.000000 000000
0.0	1.0	0.337403 922902	0.000000 000000
0.0	1.1	0.384873 377425	0.000000 000000
0.0	1.2	0.420459 182893	0.000000 000000
0.0	1.3	0.445738 567529	0.000000 000000
0.0	1.4	0.462006 585096	0.000000 000000
0.0	1.5	0.470356 317196	0.000000 000000
0.0	1.6	0.471732 516933	0.000000 000000
0.0	1.7	0.466968 364179	0.000000 000000
0.0	1.8	0.456811 129418	0.000000 000000
0.0	1.9	0.441940 349682	0.000000 000000
0.0	2.0	0.422980 828775	0.000000 000000
0.0	2.1	0.400511 987843	0.000000 000000
0.0	2.2	0.375074 599050	0.000000 000000
0.0	2.3	0.347175 617541	0.000000 000000
0.0	2.4	0.317291 617436	0.000000 000000
0.0	2.5	0.285871 196365	0.000000 000000
0.0	2.6	0.253336 616064	0.000000 000000
0.0	2.7	0.220084 878634	0.000000 000000
0.0	2.8	0.186488 389645	0.000000 000000
0.0	2.9	0.152895 324158	0.000000 000000
0.0	3.0	0.119629 786009	0.000000 000000
0.0	3.1	0.086991 831196	0.000000 000000

Table I

y	x	Re Ci(x+jy)	Im Ci(x+jy)
0.1	0.0	-1.722868 386194	1.570796 326794
0.1	0.1	-1.378800 004477	0.780398 165248
0.1	0.2	-0.928157 736474	0.453672 598804
0.1	0.3	-0.594047 633709	0.306850 337896
0.1	0.4	-0.346095 163292	0.225227 534037
0.1	0.5	-0.155826 859187	0.172891 805467
0.1	0.6	-0.006290 840503	0.136013 925191
0.1	0.7	0.112818 922922	0.108275 464608
0.1	0.8	0.208145 534318	0.086412 303804
0.1	0.9	0.284219 726510	0.068579 647089
0.1	1.0	0.344288 670508	0.053661 663475
0.1	1.1	0.390782 354700	0.040946 849706
0.1	1.2	0.425589 450027	0.029961 943911
0.1	1.3	0.450227 772603	0.020381 013195
0.1	1.4	0.465953 592740	0.011972 859249
0.1	1.5	0.473833 934545	0.004569 156767
0.1	1.6	0.474795 635029	-0.001955 613913
0.1	1.7	0.469659 330750	-0.007697 232349
0.1	1.8	0.459163 390323	-0.012730 490463
0.1	1.9	0.443980 973966	-0.017115 201022
0.1	2.0	0.424732 293950	-0.020900 409623
0.1	2.1	0.401993 462742	-0.024127 399966
0.1	2.2	0.376302 877746	-0.026831 869450
0.1	2.3	0.348165 805909	-0.029045 522076
0.1	2.4	0.318057 640985	-0.030797 244019
0.1	2.5	0.286426 176666	-0.032113 974789
0.1	2.6	0.253693 148978	-0.033021 352609
0.1	2.7	0.220255 238029	-0.033544 189671
0.1	2.8	0.186484 673806	-0.033706 817351
0.1	2.9	0.152729 557587	-0.033533 330813
0.1	3.0	0.119313 986132	-0.033047 754740
0.1	3.1	0.086538 047247	-0.032274 146817

Table I

y	x	Re Ci(x+jy)	Im Ci(x+jy)
0.2	0.0	-1.022205 566042	1.570796 326794
0.2	0.1	-0.913157 790640	1.097123 707620
0.2	0.2	-0.685715 323791	0.765398 281915
0.2	0.3	-0.455518 236638	0.558127 794327
0.2	0.4	-0.257618 228830	0.424046 954490
0.2	0.5	-0.094175 136960	0.331377 106134
0.2	0.6	0.039542 113804	0.263336 730416
0.2	0.7	0.148572 495213	0.210890 558986
0.2	0.8	0.237060 176145	0.168906 859091
0.2	0.9	0.308245 582465	0.134308 103519
0.2	1.0	0.364661 204126	0.105157 970644
0.2	1.1	0.408317 719716	0.080187 364964
0.2	1.2	0.440845 879616	0.058535 164037
0.2	1.3	0.463598 558814	0.039599 419449
0.2	1.4	0.477723 118228	0.022948 216376
0.2	1.5	0.484212 763808	0.008264 223764
0.2	1.6	0.483943 232255	-0.004690 955470
0.2	1.7	0.477699 195450	-0.016100 376721
0.2	1.8	0.466193 395207	-0.026107 766476
0.2	1.9	0.450080 579002	-0.034828 632778
0.2	2.0	0.429967 673557	-0.042358 122249
0.2	2.1	0.406421 205932	-0.048776 666568
0.2	2.2	0.379972 691325	-0.054154 094409
0.2	2.3	0.351122 507346	-0.058552 656553
0.2	2.4	0.320342 635777	-0.062029 266978
0.2	2.5	0.288078 555186	-0.064637 168414
0.2	2.6	0.254750 497913	-0.066427 168609
0.2	2.7	0.220754 234643	-0.067448 551507
0.2	2.8	0.186461 512704	-0.067749 738888
0.2	2.9	0.152220 246762	-0.067378 758019
0.2	3.0	0.118354 539928	-0.066383 556898
0.2	3.1	0.085164 597435	-0.064812 198657

Table I

y	x	Re Ci(x+jy)	Im Ci(x+jy)
0.3	0.0	-0.604172 595470	1.570796 326794
0.3	0.1	-0.554047 796671	1.233945 555566
0.3	0.2	-0.430519 178764	0.952668 915799
0.3	0.3	-0.280521 045887	0.740399 513391
0.3	0.4	-0.133977 748306	0.583853 481142
0.3	0.5	-0.002850 963059	0.466420 378698
0.3	0.6	0.109890 828390	0.375665 116162
0.3	0.7	0.204715 080983	0.303362 236869
0.3	0.8	0.283159 978391	0.244195 675419
0.3	0.9	0.346955 608124	0.194693 699069
0.3	1.0	0.397730 640428	0.152539 912592
0.3	1.1	0.436935 941428	0.116151 124277
0.3	1.2	0.465844 108473	0.084419 385251
0.3	1.3	0.485572 170306	0.056551 859463
0.3	1.4	0.497108 258225	0.031969 198766
0.3	1.5	0.501335 790125	0.010239 498804
0.3	1.6	0.499053 487763	-0.008965 631560
0.3	1.7	0.490991 260312	-0.025900 937049
0.3	1.8	0.477822 520989	-0.040768 232032
0.3	1.9	0.460173 595517	-0.053731 030427
0.3	2.0	0.438630 821406	-0.064925 042353
0.3	2.1	0.413745 837490	-0.074465 807999
0.3	2.2	0.386039 464892	-0.082454 311282
0.3	2.3	0.356004 496576	-0.088981 142599
0.3	2.4	0.324107 644837	-0.094129 601985
0.3	2.5	0.290790 842931	-0.097978 016149
0.3	2.6	0.256472 055721	-0.100601 463526
0.3	2.7	0.221545 722452	-0.102073 047294
0.3	2.8	0.186382 929943	-0.102464 818791
0.3	2.9	0.151331 395396	-0.101848 427325
0.3	3.0	0.116715 322861	-0.100295 553814
0.3	3.1	0.082835 185547	-0.097878 172068

Table I

y	x	Re Ci(x+jy)	Im Ci(x+jy)
0.4	0.0	-0.298807 450122	1.570796 326794
0.4	0.1	-0.271094 934132	1.305566 529789
0.4	0.2	-0.197621 695498	1.066748 068620
0.4	0.3	-0.098983 189454	0.866947 612310
0.4	0.4	0.006431 889150	0.705405 748489
0.4	0.5	0.107344 200019	0.575503 439081
0.4	0.6	0.198299 243155	0.470014 643958
0.4	0.7	0.277255 168050	0.382993 949831
0.4	0.8	0.343887 085901	0.310005 216788
0.4	0.9	0.398654 856673	0.247848 943294
0.4	1.0	0.442339 593006	0.194233 477526
0.4	1.1	0.475825 311835	0.147508 805342
0.4	1.2	0.500001 048590	0.106474 030410
0.4	1.3	0.515720 426232	0.070243 419401
0.4	1.4	0.523787 955097	0.038154 096654
0.4	1.5	0.524957 281253	0.009702 233149
0.4	1.6	0.519934 332764	-0.015501 474617
0.4	1.7	0.509382 052748	-0.037763 236048
0.4	1.8	0.493925 217992	-0.057328 637710
0.4	1.9	0.474154 716266	-0.074398 907698
0.4	2.0	0.450631 072759	-0.089142 822143
0.4	2.1	0.423887 209497	-0.101705 508407
0.4	2.2	0.394430 505140	-0.112215 006517
0.4	2.3	0.362744 252866	-0.120787 187871
0.4	2.4	0.329288 619437	-0.127529 453212
0.4	2.5	0.294501 202434	-0.132543 511048
0.4	2.6	0.258797 272735	-0.135927 454250
0.4	2.7	0.222569 778011	-0.137777 294298
0.4	2.8	0.186189 172378	-0.138188 071657
0.4	2.9	0.150003 127718	-0.137254 631293
0.4	3.0	0.114336 173768	-0.135072 131363
0.4	3.1	0.079489 306760	-0.131736 337697

Table I

y	x	Re Ci(x+jy)	Im Ci(x+jy)
0.5	0.0	-0.052776 844955	1.570796 326794
0.5	0.1	-0.035823 792547	1.347896 984231
0.5	0.2	0.010817 483784	1.139410 674436
0.5	0.3	0.077130 933399	0.954377 781620
0.5	0.4	0.152324 538093	0.795318 017055
0.5	0.5	0.228038 101716	0.660427 097721
0.5	0.6	0.298971 056935	0.546157 948361
0.5	0.7	0.362237 642070	0.448799 983814
0.5	0.8	0.416525 586322	0.365131 456067
0.5	0.9	0.461451 235004	0.292568 186374
0.5	1.0	0.497146 950800	0.229109 479890
0.5	1.1	0.524018 091580	0.173227 981687
0.5	1.2	0.542605 865234	0.123760 883297
0.5	1.3	0.553511 934302	0.079819 677782
0.5	1.4	0.557357 865749	0.040720 269300
0.5	1.5	0.554763 884417	0.005930 418490
0.5	1.6	0.546338 165150	-0.024969 328277
0.5	1.7	0.532671 773470	-0.052314 619942
0.5	1.8	0.514336 543207	-0.076378 850706
0.5	1.9	0.491884 397830	-0.097389 260066
0.5	2.0	0.465847 303371	-0.115539 027002
0.5	2.1	0.436737 422185	-0.130996 402190
0.5	2.2	0.405047 249995	-0.143911 631877
0.5	2.3	0.371249 637472	-0.154422 219663
0.5	2.4	0.335797 663080	-0.162656 924196
0.5	2.5	0.299124 358876	-0.168738 785321
0.5	2.6	0.261642 309093	-0.172787 395484
0.5	2.7	0.223743 149389	-0.174920 578745
0.5	2.8	0.185796 997662	-0.175255 600344
0.5	2.9	0.148151 846996	-0.173910 000864
0.5	3.0	0.111132 949734	-0.171002 128049
0.5	3.1	0.075042 219083	-0.166651 423584

Table I

y	x	Re Ci(x+jy)	Im Ci(x+jy)
0.6	0.0	0.157750 893376	1.570796 326794
0.6	0.1	0.168722 009003	1.374762 784555
0.6	0.2	0.199531 683614	1.187431 863088
0.6	0.3	0.244851 340814	1.015116 361648
0.6	0.4	0.298238 948789	0.860806 216990
0.6	0.5	0.353916 676807	0.724728 292229
0.6	0.6	0.407564 464536	0.605484 558064
0.6	0.7	0.456346 747297	0.501027 672431
0.6	0.8	0.498607 731069	0.409250 827463
0.6	0.9	0.533520 216689	0.328261 543340
0.6	1.0	0.560799 896516	0.256468 452552
0.6	1.1	0.580503 400901	0.192577 891230
0.6	1.2	0.592895 199603	0.135555 428306
0.6	1.3	0.598363 081682	0.084579 077048
0.6	1.4	0.597365 534092	0.038995 405521
0.6	1.5	0.590399 298053	-0.001717 735773
0.6	1.6	0.577979 427737	-0.037981 409985
0.6	1.7	0.560626 998607	-0.070139 481597
0.6	1.8	0.538861 452717	-0.098477 289230
0.6	1.9	0.513195 728878	-0.123236 160469
0.6	2.0	0.484133 046442	-0.144624 668337
0.6	2.1	0.452164 656000	-0.162827 352292
0.6	2.2	0.417768 143976	-0.178011 468265
0.6	2.3	0.381406 046460	-0.190332 202274
0.6	2.4	0.343524 631328	-0.199936 680287
0.6	2.5	0.304552 771374	-0.206967 028734
0.6	2.6	0.264900 870113	-0.211562 680801
0.6	2.7	0.224959 825559	-0.213862 079071
0.6	2.8	0.185100 031261	-0.214003 891386
0.6	2.9	0.145670 421853	-0.212127 831591
0.6	3.0	0.106997 574623	-0.208375 157767
0.6	3.1	0.069384 880461	-0.202888 906097

Table I

y	x	Re Ci(x+jy)	Im Ci(x+jy)
0.7	0.0	0.345569 175696	1.570796 326794
0.7	0.1	0.352857 056514	1.392477 330856
0.7	0.2	0.373565 680557	1.219837 179962
0.7	0.3	0.404646 708385	1.057375 059443
0.7	0.4	0.442128 075166	0.907798 986345
0.7	0.5	0.482080 720928	0.772099 140260
0.7	0.6	0.521220 381411	0.650023 320099
0.7	0.7	0.557113 003948	0.540616 007006
0.7	0.8	0.588126 398198	0.442635 108305
0.7	0.9	0.613276 904143	0.354809 160795
0.7	1.0	0.632062 331981	0.275968 260433
0.7	1.1	0.644320 109204	0.205094 995582
0.7	1.2	0.650119 693218	0.141331 756078
0.7	1.3	0.649685 700855	0.083967 475317
0.7	1.4	0.643344 739380	0.032416 682835
0.7	1.5	0.631489 226249	-0.013802 635149
0.7	1.6	0.614552 902968	-0.055089 454618
0.7	1.7	0.592994 212809	-0.091777 361669
0.7	1.8	0.567284 894706	-0.124149 274686
0.7	1.9	0.537902 009149	-0.152449 472754
0.7	2.0	0.505322 212060	-0.176893 295165
0.7	2.1	0.470017 498640	-0.197674 891785
0.7	2.2	0.432451 909742	-0.214973 369356
0.7	2.3	0.393078 872526	-0.228957 628351
0.7	2.4	0.352338 965196	-0.239790 133681
0.7	2.5	0.310657 973267	-0.247629 816821
0.7	2.6	0.268445 155796	-0.252634 268340
0.7	2.7	0.226091 673436	-0.254961 348576
0.7	2.8	0.183969 151819	-0.254770 319198
0.7	2.9	0.142428 367820	-0.252222 578687
0.7	3.0	0.101798 055039	-0.247482 069391
0.7	3.1	0.062383 830216	-0.240715 411694

Table I

y	x	Re Ci(x+jy)	Im Ci(x+jy)
0.8	0.0	0.518399 984834	1.570796 326794
0.8	0.1	0.523238 898872	1.404297 713232
0.8	0.2	0.537074 836639	1.241744 632963
0.8	0.3	0.558060 993547	1.086450 189639
0.8	0.4	0.583665 217865	0.940707 690978
0.8	0.5	0.611206 405750	0.805732 927523
0.8	0.6	0.638259 548511	0.681850 557661
0.8	0.7	0.662866 690076	0.568776 568255
0.8	0.8	0.683587 358468	0.465883 520567
0.8	0.9	0.699454 266540	0.372398 287597
0.8	1.0	0.709890 224136	0.287527 587279
0.8	1.1	0.714620 215992	0.210526 681648
0.8	1.2	0.713594 297586	0.140730 074174
0.8	1.3	0.706925 940171	0.077559 571744
0.8	1.4	0.694845 171084	0.020520 244275
0.8	1.5	0.677663 940891	-0.030809 217681
0.8	1.6	0.655750 868590	-0.076788 042425
0.8	1.7	0.629512 881391	-0.117724 860594
0.8	1.8	0.599381 797200	-0.153888 205742
0.8	1.9	0.565804 398284	-0.185515 673417
0.8	2.0	0.529234 951232	-0.212821 676714
0.8	2.1	0.490129 436403	-0.236003 878667
0.8	2.2	0.448940 974478	-0.255248 440371
0.8	2.3	0.406116 097583	-0.270734 238741
0.8	2.4	0.362091 624865	-0.282636 201820
0.8	2.5	0.317291 980605	-0.291127 894704
0.8	2.6	0.272126 847164	-0.296383 471638
0.8	2.7	0.226989 082494	-0.298579 092895
0.8	2.8	0.182252 857530	-0.297893 889651
0.8	2.9	0.138271 986268	-0.294510 547167
0.8	3.0	0.095378 433046	-0.288615 565521
0.8	3.1	0.053880 989422	-0.280399 248265

Table I

y	x	Re Ci(x+jy)	Im Ci(x+jy)
0.9	0.0	0.681313 887187	1.570796 326794
0.9	0.1	0.684420 772694	1.412059 361437
0.9	0.2	0.693318 326207	1.256213 353314
0.9	0.3	0.706836 775676	1.105786 730195
0.9	0.4	0.723313 973949	0.962697 724334
0.9	0.5	0.740902 564598	0.828173 709484
0.9	0.6	0.757833 515337	0.702814 280856
0.9	0.7	0.772586 668283	0.586734 000217
0.9	0.8	0.783967 136890	0.479722 345185
0.9	0.9	0.791112 588920	0.381382 005943
0.9	1.0	0.793461 140880	0.291230 929443
0.9	1.1	0.790703 050138	0.208768 936079
0.9	1.2	0.782730 426829	0.133516 306415
0.9	1.3	0.769591 986743	0.065032 807643
0.9	1.4	0.751455 319917	0.002924 280666
0.9	1.5	0.728576 747573	-0.053158 034436
0.9	1.6	0.701277 802600	-0.103521 992585
0.9	1.7	0.669927 074582	-0.148440 715835
0.9	1.8	0.634926 215416	-0.188159 187535
0.9	1.9	0.596699 088707	-0.222900 579733
0.9	2.0	0.555683 258644	-0.252871 971200
0.9	2.1	0.512323 206765	-0.278269 316199
0.9	2.2	0.467064 823326	-0.299281 637298
0.9	2.3	0.420350 843529	-0.316094 474780
0.9	2.4	0.372616 991869	-0.328892 653142
0.9	2.5	0.324288 667036	-0.337862 435356
0.9	2.6	0.275778 049960	-0.343193 136323
0.9	2.7	0.227481 554133	-0.345078 262973
0.9	2.8	0.179777 563252	-0.343716 242669
0.9	2.9	0.133024 419922	-0.339310 795060
0.9	3.0	0.087558 641972	-0.332070 996419
0.9	3.1	0.043693 352157	-0.322211 079980

Table I

y	x	Re Ci(x+jy)	Im Ci(x+jy)
1.0	0.0	0.837866 940980	1.570796 326794
1.0	0.1	0.839682 914466	1.416866 068383
1.0	0.2	0.844857 444482	1.265155 924100
1.0	0.3	0.852624 433266	1.117666 311784
1.0	0.4	0.861867 235140	0.976015 957602
1.0	0.5	0.871300 583886	0.841368 727578
1.0	0.6	0.879641 423066	0.714445 405032
1.0	0.7	0.885735 809645	0.595592 757553
1.0	0.8	0.888632 408750	0.484876 743057
1.0	0.9	0.887609 853682	0.382174 221387
1.0	1.0	0.882172 180557	0.287249 133519
1.0	1.1	0.872026 297902	0.199808 743153
1.0	1.2	0.857051 969872	0.119541 279675
1.0	1.3	0.837270 863493	0.046138 737971
1.0	1.4	0.812818 094330	-0.020691 034997
1.0	1.5	0.783917 655108	-0.081219 410316
1.0	1.6	0.750861 943604	-0.135696 496922
1.0	1.7	0.713995 036854	-0.184353 205295
1.0	1.8	0.673699 137393	-0.227404 587961
1.0	1.9	0.630383 600571	-0.265053 654524
1.0	2.0	0.584475 996878	-0.297495 177639
1.0	2.1	0.536414 763498	-0.324919 216265
1.0	2.2	0.486643 085318	-0.347514 215560
1.0	2.3	0.435603 728791	-0.365469 624691
1.0	2.4	0.383734 619711	-0.378978 022379
1.0	2.5	0.331465 009905	-0.388236 767338
1.0	2.6	0.279212 119637	-0.393449 205269
1.0	2.7	0.227378 174360	-0.394825 470568
1.0	2.8	0.176347 778075	-0.392582 923078
1.0	2.9	0.126485 583340	-0.386946 259713
1.0	3.0	0.078134 230478	-0.378147 339048
1.0	3.1	0.031612 537992	-0.366424 754818

Table I

y	x	Re Ci(x+jy)	Im Ci(x+jy)
1.1	0.0	0.990693 687515	1.570796 326794
1.1	0.1	0.991501 779856	1.419414 289420
1.1	0.2	0.993744 569234	1.269811 685010
1.1	0.3	0.996908 589450	1.123628 341528
1.1	0.4	1.000231 665787	0.982255 608001
1.1	0.5	1.002814 200518	0.846776 878655
1.1	0.6	1.003730 863895	0.717959 157308
1.1	0.7	1.002121 947962	0.596283 846176
1.1	0.8	0.997254 881048	0.481999 409740
1.1	0.9	0.988556 235998	0.375180 084067
1.1	1.0	0.975620 249442	0.275779 880821
1.1	1.1	0.958201 562190	0.183676 545062
1.1	1.2	0.936199 085989	0.098704 167480
1.1	1.3	0.909636 099416	0.020675 482760
1.1	1.4	0.878639 834729	-0.050604 137122
1.1	1.5	0.843422 359567	-0.115328 841975
1.1	1.6	0.804263 563851	-0.173688 724876
1.1	1.7	0.761496 460831	-0.225869 014554
1.1	1.8	0.715494 688973	-0.272050 940163
1.1	1.9	0.666661 956678	-0.312413 499298
1.1	2.0	0.615423 129946	-0.347135 613221
1.1	2.1	0.562216 674898	-0.376398 336805
1.1	2.2	0.507488 202729	-0.400386 918836
1.1	2.3	0.451684 907883	-0.419292 595058
1.1	2.4	0.395250 732184	-0.433314 053437
1.1	2.5	0.338622 124827	-0.442658 547937
1.1	2.6	0.282224 299251	-0.447542 660111
1.1	2.7	0.226467 912906	-0.448192 721751
1.1	2.8	0.171746 115703	-0.444844 919942
1.1	2.9	0.118431 927947	-0.437745 110221
1.1	3.0	0.066875 920175	-0.427148 365572
1.1	3.1	0.017404 175598	-0.413318 289629

Table I

y	x	Re Ci(x+jy)	Im Ci(x+jy)
1.2	0.0	1.141841 924171	1.570796 326794
1.2	0.1	1.141829 087617	1.420158 888505
1.2	0.2	1.141668 218424	1.271005 305987
1.2	0.3	1.141010 815089	1.124726 946775
1.2	0.4	1.139332 976032	0.982547 406926
1.2	0.5	1.136005 505584	0.845475 825257
1.2	0.6	1.130367 920721	0.714291 536900
1.2	0.7	1.121793 420554	0.589555 181096
1.2	0.8	1.109737 308260	0.471637 227538
1.2	0.9	1.093766 930521	0.360754 439503
1.2	1.0	1.073575 159444	0.257006 775723
1.2	1.1	1.048981 350093	0.160410 060461
1.2	1.2	1.019923 997287	0.070922 304658
1.2	1.3	0.986448 691333	-0.011536 641279
1.2	1.4	0.948694 023528	-0.087071 403180
1.2	1.5	0.906877 176689	-0.155802 240055
1.2	1.6	0.861280 207943	-0.217859 855600
1.2	1.7	0.812237 519747	-0.273382 806101
1.2	1.8	0.760124 689816	-0.322516 645219
1.2	1.9	0.705348 643500	-0.365414 149458
1.2	2.0	0.648339 057583	-0.402236 145828
1.2	2.1	0.589540 847310	-0.433152 606000
1.2	2.2	0.529407 584306	-0.458343 779832
1.2	2.3	0.468395 705379	-0.478001 220788
1.2	2.4	0.406959 392042	-0.492328 612426
1.2	2.5	0.345546 021812	-0.501542 344741
1.2	2.6	0.284592 112602	-0.505871 816153
1.2	2.7	0.224519 699039	-0.505559 455128
1.2	2.8	0.165733 094429	-0.500860 467507
1.2	2.9	0.108616 003888	-0.492042 323196
1.2	3.0	0.053528 963560	-0.479384 001094
1.2	3.1	0.000807 087944	-0.463175 013737

Table I

y	x	Re Ci(x+jy)	Im Ci(x+jy)
1.3	0.0	1.292973 961191	1.570796 326794
1.3	0.1	1.292265 802343	1.419403 707099
1.3	0.2	1.290058 617432	1.269294 900339
1.3	0.3	1.286115 834172	1.121690 078975
1.3	0.4	1.280078 983954	0.977692 191595
1.3	0.5	1.271513 027746	0.838250 544628
1.3	0.6	1.259956 110200	0.704144 080004
1.3	0.7	1.244965 645281	0.575982 498949
1.3	0.8	1.226155 270439	0.454220 543004
1.3	0.9	1.203220 325773	0.339179 833524
1.3	1.0	1.175952 089913	0.231073 276625
1.3	1.1	1.144242 582974	0.130028 424004
1.3	1.2	1.108082 367025	0.036107 687201
1.3	1.3	1.067553 721961	-0.050675 454124
1.3	1.4	1.022821 169180	-0.130344 263969
1.3	1.5	0.974120 801298	-0.202950 121010
1.3	1.6	0.921749 396304	-0.268566 788470
1.3	1.7	0.866053 910641	-0.327286 896817
1.3	1.8	0.807421 668843	-0.379220 020037
1.3	1.9	0.746271 383894	-0.424491 830892
1.3	2.0	0.683045 030435	-0.463243 930950
1.3	2.1	0.618200 531465	-0.495634 051185
1.3	2.2	0.552205 190142	-0.521836 402466
1.3	2.3	0.485529 789684	-0.542042 021279
1.3	2.4	0.418643 286926	-0.556459 006653
1.3	2.5	0.352008 033244	-0.565312 581788
1.3	2.6	0.286075 467042	-0.568844 941445
1.3	2.7	0.221282 232497	-0.567314 865865
1.3	2.8	0.158046 689059	-0.560997 096042
1.3	2.9	0.096765 784486	-0.550181 475046
1.3	3.0	0.037812 271140	-0.535171 866917
1.3	3.1	-0.018467 749380	-0.516284 869296

Table I

y	x	Re Ci(x+jy)	Im Ci(x+jy)
1.2	0.0	1.141841 924171	1.570796 326794
1.2	0.1	1.141829 087617	1.420158 888505
1.2	0.2	1.141668 218424	1.271005 305987
1.2	0.3	1.141010 815089	1.124726 946775
1.2	0.4	1.139332 976032	0.982547 406926
1.2	0.5	1.136005 505584	0.845475 825257
1.2	0.6	1.130367 920721	0.714291 536900
1.2	0.7	1.121793 420554	0.589555 181096
1.2	0.8	1.109737 308260	0.471637 227538
1.2	0.9	1.093766 930521	0.360754 439503
1.2	1.0	1.073575 159444	0.257006 775723
1.2	1.1	1.048981 350093	0.160410 060461
1.2	1.2	1.019923 997287	0.070922 304658
1.2	1.3	0.986448 691333	-0.011536 641279
1.2	1.4	0.948694 023528	-0.087071 403180
1.2	1.5	0.906877 176689	-0.155802 240055
1.2	1.6	0.861280 207943	-0.217859 855600
1.2	1.7	0.812237 519747	-0.273382 806101
1.2	1.8	0.760124 689816	-0.322516 645219
1.2	1.9	0.705348 643500	-0.365414 149458
1.2	2.0	0.648339 057583	-0.402236 145828
1.2	2.1	0.589540 847310	-0.433152 606000
1.2	2.2	0.529407 584306	-0.458343 779832
1.2	2.3	0.468395 705379	-0.478001 220788
1.2	2.4	0.406959 392042	-0.492328 612426
1.2	2.5	0.345546 021812	-0.501542 344741
1.2	2.6	0.284592 112602	-0.505871 816153
1.2	2.7	0.224519 699039	-0.505559 455128
1.2	2.8	0.165733 094429	-0.500860 467507
1.2	2.9	0.108616 003888	-0.492042 323196
1.2	3.0	0.053528 963560	-0.479384 001094
1.2	3.1	0.000807 087944	-0.463175 013737

Table I

y	x	Re Ci(x+jy)	Im Ci(x+jy)
1.3	0.0	1.292973 961191	1.570796 326794
1.3	0.1	1.292265 802343	1.419403 707099
1.3	0.2	1.290058 617432	1.269294 900339
1.3	0.3	1.286115 834172	1.121690 078975
1.3	0.4	1.280078 983954	0.977692 191595
1.3	0.5	1.271513 027746	0.838250 544628
1.3	0.6	1.259956 110200	0.704144 080004
1.3	0.7	1.244965 645281	0.575982 498949
1.3	0.8	1.226155 270439	0.454220 543004
1.3	0.9	1.203220 325773	0.339179 833524
1.3	1.0	1.175952 089913	0.231073 276625
1.3	1.1	1.144242 582974	0.130028 424004
1.3	1.2	1.108082 367025	0.036107 687201
1.3	1.3	1.067553 721961	-0.050675 454124
1.3	1.4	1.022821 169180	-0.130344 263969
1.3	1.5	0.974120 801298	-0.202950 121010
1.3	1.6	0.921749 396304	-0.268566 788470
1.3	1.7	0.866053 910641	-0.327286 896817
1.3	1.8	0.807421 668843	-0.379220 020037
1.3	1.9	0.746271 383894	-0.424491 830892
1.3	2.0	0.683045 030435	-0.463243 930950
1.3	2.1	0.618200 531465	-0.495634 051185
1.3	2.2	0.552205 190142	-0.521836 402466
1.3	2.3	0.485529 789684	-0.542042 021279
1.3	2.4	0.418643 286926	-0.556459 006653
1.3	2.5	0.352008 033244	-0.565312 581788
1.3	2.6	0.286075 467042	-0.568844 941445
1.3	2.7	0.221282 232497	-0.567314 865865
1.3	2.8	0.158046 689059	-0.560997 096042
1.3	2.9	0.096765 784486	-0.550181 475046
1.3	3.0	0.037812 271140	-0.535171 866917
1.3	3.1	-0.018467 749380	-0.516284 869296

Table I

y	x	Re Ci(x+jy)	Im Ci(x+jy)
1.4	0.0	1.445494 075790	1.570796 326794
1.4	0.1	1.444175 308876	1.417353 810597
1.4	0.2	1.440163 918218	1.265060 470552
1.4	0.3	1.433302 040617	1.115020 099960
1.4	0.4	1.423349 744813	0.968251 831656
1.4	0.5	1.410014 992941	0.825661 505366
1.4	0.6	1.392987 549558	0.688025 706755
1.4	0.7	1.371971 717090	0.555987 941229
1.4	0.8	1.346714 056994	0.430064 529641
1.4	0.9	1.317023 996391	0.310656 942906
1.4	1.0	1.282786 841338	0.198067 331981
1.4	1.1	1.243969 882161	0.092514 630342
1.4	1.2	1.200622 903524	-0.005850 549926
1.4	1.3	1.152874 592920	-0.096933 203647
1.4	1.4	1.100926 232281	-0.180683 747231
1.4	1.5	1.045043 805864	-0.257090 292365
1.4	1.6	0.985549 369744	-0.326173 074962
1.4	1.7	0.922812 265085	-0.387980 637548
1.4	1.8	0.857240 545247	-0.442587 352139
1.4	1.9	0.789272 830114	-0.490091 907521
1.4	2.0	0.719370 693612	-0.530616 442918
1.4	2.1	0.648011 621542	-0.564306 072804
1.4	2.2	0.575682 536117	-0.591328 606329
1.4	2.3	0.502873 862334	-0.611874 315290
1.4	2.4	0.430074 102106	-0.626155 646265
1.4	2.5	0.357764 880681	-0.634406 805232
1.4	2.6	0.286416 432306	-0.636883 168634
1.4	2.7	0.216483 496729	-0.633860 494054
1.4	2.8	0.148401 603156	-0.625633 918319
1.4	2.9	0.082583 723254	-0.612516 741505
1.4	3.0	0.019417 279204	-0.594839 003398
1.4	3.1	-0.040738 503774	-0.572945 864548

Table I

y	x	Re Ci(x+jy)	Im Ci(x+jy)
1.5	0.0	1.600632 933362	1.570796 326794
1.5	0.1	1.598759 927551	1.414146 996123
1.5	0.2	1.593105 764366	1.258558 652148
1.5	0.3	1.583569 872509	1.105058 771020
1.5	0.4	1.569999 968417	0.954611 640685
1.5	0.5	1.552212 221129	0.808095 484142
1.5	0.6	1.530014 627153	0.666287 924679
1.5	0.7	1.503230 310893	0.529859 802593
1.5	0.8	1.471718 085439	0.399376 126629
1.5	0.9	1.435388 581671	0.275302 244520
1.5	1.0	1.394215 259192	0.158013 154882
1.5	1.1	1.348240 425405	0.047804 119789
1.5	1.2	1.297576 913571	-0.055098 814445
1.5	1.3	1.242406 316814	-0.150529 285552
1.5	1.4	1.182974 709746	-0.238372 534258
1.5	1.5	1.119586 694274	-0.318558 907000
1.5	1.6	1.052598 451358	-0.391058 859890
1.5	1.7	0.982410 313993	-0.455879 261431
1.5	1.8	0.909459 226591	-0.513060 741284
1.5	1.9	0.834211 333834	-0.562675 828194
1.5	2.0	0.757154 850012	-0.604827 641688
1.5	2.1	0.678793 294656	-0.639648 936279
1.5	2.2	0.599639 136837	-0.667301 334212
1.5	2.3	0.520207 863136	-0.687974 618774
1.5	2.4	0.441012 468607	-0.701885 991930
1.5	2.5	0.362558 361912	-0.709279 227063
1.5	2.6	0.285338 672782	-0.710423 669665
1.5	2.7	0.209829 949528	-0.705613 056408
1.5	2.8	0.136488 235766	-0.695164 137062
1.5	2.9	0.065745 517341	-0.679415 094375
1.5	3.0	-0.001993 467587	-0.658723 765552
1.5	3.1	-0.066354 060470	-0.633465 675140

Table I

y	x	Re Ci(x+jy)	Im Ci(x+jy)
1.6	0.0	1.759505 807661	1.570796 326794
1.6	0.1	1.757114 545679	1.409873 498782
1.6	0.2	1.749920 536921	1.249957 643068
1.6	0.3	1.737866 369531	1.092030 107396
1.6	0.4	1.720866 678590	0.937023 471025
1.6	0.5	1.698821 898564	0.785802 867034
1.6	0.6	1.671634 503459	0.639152 921003
1.6	0.7	1.639225 596480	0.497770 521770
1.6	0.8	1.601550 004894	0.362262 837829
1.6	0.9	1.558608 582020	0.233149 469347
1.6	1.0	1.510457 038426	0.110867 416964
1.6	1.1	1.457211 175927	-0.004222 397041
1.6	1.2	1.399048 801183	-0.111828 097550
1.6	1.3	1.336208 832340	-0.211720 065200
1.6	1.4	1.268988 204664	-0.303724 845904
1.6	1.5	1.197737 171346	-0.387719 981148
1.6	1.6	1.122853 525280	-0.463629 801232
1.6	1.7	1.044776 171541	-0.531422 108305
1.6	1.8	0.963978 381165	-0.591105 612242
1.6	1.9	0.880960 968012	-0.642727 956390
1.6	2.0	0.796245 557687	-0.686374 169135
1.6	2.1	0.710368 061369	-0.722165 391039
1.6	2.2	0.623872 426666	-0.750257 748270
1.6	2.3	0.537304 709203	-0.770841 266551
1.6	2.4	0.451207 489946	-0.784138 742743
1.6	2.5	0.366114 651489	-0.790404 512151
1.6	2.6	0.282546 519662	-0.789923 067714
1.6	2.7	0.201005 373119	-0.783007 502569
1.6	2.8	0.121971 321827	-0.769997 760146
1.6	2.9	0.045898 554826	-0.751258 686114
1.6	3.0	-0.026788 042423	-0.727177 884696
1.6	3.1	-0.095695 900684	-0.698163 388482

Table I

y	x	Re Ci(x+jy)	Im Ci(x+jy)
1.7	0.0	1.923154 278479	1.570796 326794
1.7	0.1	1.920265 541492	1.404588 686861
1.7	0.2	1.911590 680914	1.239360 057415
1.7	0.3	1.897105 953736	1.076069 142561
1.7	0.4	1.876778 809686	0.915635 684942
1.7	0.5	1.850577 340346	0.758924 820834
1.7	0.6	1.818481 593111	0.606735 301283
1.7	0.7	1.780495 336901	0.459791 853053
1.7	0.8	1.736657 000449	0.318741 425062
1.7	0.9	1.687048 811678	0.184152 685699
1.7	1.0	1.631803 549106	0.056517 940933
1.7	1.1	1.571108 684983	-0.063743 382638
1.7	1.2	1.505207 996619	-0.176280 447943
1.7	1.3	1.434400 922485	-0.280806 503745
1.7	1.4	1.359040 046043	-0.377094 576118
1.7	1.5	1.279527 121607	-0.464973 594737
1.7	1.6	1.196308 036307	-0.544325 057165
1.7	1.7	1.109867 053367	-0.615080 235468
1.7	1.8	1.020720 621245	-0.677217 866281
1.7	1.9	0.929410 972460	-0.730762 230736
1.7	2.0	0.836499 681759	-0.775781 517346
1.7	2.1	0.742561 308140	-0.812386 361674
1.7	2.2	0.648177 210134	-0.840728 466125
1.7	2.3	0.553929 597168	-0.860999 217008
1.7	2.4	0.460395 860798	-0.873428 231575
1.7	2.5	0.368143 216322	-0.878281 783188
1.7	2.6	0.277723 676220	-0.875861 067061
1.7	2.7	0.189669 371043	-0.866500 281837
1.7	2.8	0.104488 229390	-0.850564 513149
1.7	2.9	0.022660 026231	-0.828447 414774
1.7	3.0	-0.055367 192941	-0.800568 690559
1.7	3.1	-0.129180 305994	-0.767371 386798

Table I

y	x	Re Ci(x+jy)	Im Ci(x+jy)
1.8	0.0	2.092577 214062	1.570796 326794
1.8	0.1	2.089200 028955	1.398321 432645
1.8	0.2	2.079069 133823	1.226818 177350
1.8	0.3	2.062188 009437	1.057241 509026
1.8	0.4	2.038567 246906	0.890514 123437
1.8	0.5	2.008231 038217	0.727512 982850
1.8	0.6	1.971225 020335	0.569058 556012
1.8	0.7	1.927624 525650	0.415907 050024
1.8	0.8	1.877542 347360	0.268745 553660
1.8	0.9	1.821135 302076	0.128189 739347
1.8	1.0	1.758609 108663	-0.005216 392869
1.8	1.1	1.690221 347273	-0.130999 301201
1.8	1.2	1.616282 475714	-0.248753 757957
1.8	1.3	1.537155 039369	-0.358140 227567
1.8	1.4	1.453251 310537	-0.458882 106025
1.8	1.5	1.365029 640501	-0.550763 046682
1.8	1.6	1.272989 814749	-0.633624 497092
1.8	1.7	1.177667 682633	-0.707363 493021
1.8	1.8	1.079629 299182	-0.771930 699709
1.8	1.9	0.979464 777930	-0.827328 655287
1.8	2.0	0.877782 015355	-0.873610 152470
1.8	2.1	0.775200 413274	-0.910876 688192
1.8	2.2	0.672344 696922	-0.939276 912830
1.8	2.3	0.569838 903246	-0.959005 017629
1.8	2.4	0.468300 596291	-0.970299 008849
1.8	2.5	0.368335 353129	-0.973438 828075
1.8	2.6	0.270531 553957	-0.968744 289005
1.8	2.7	0.175455 502726	-0.956572 811489
1.8	2.8	0.083646 899589	-0.937316 942813
1.8	2.9	-0.004385 317664	-0.911401 664555
1.8	3.0	-0.088166 748809	-0.879281 490311
1.8	3.1	-0.167260 911330	-0.841437 365720

Table I

y	x	Re Ci(x+jy)	Im Ci(x+jy)
1.9	0.0	2.268754 654390	1.570796 326794
1.9	0.1	2.264888 617116	1.391079 725489
1.9	0.2	2.253298 938582	1.212344 275512
1.9	0.3	2.234011 932009	1.035556 893007
1.9	0.4	2.207074 693476	0.861656 816438
1.9	0.5	2.172559 508906	0.691543 638584
1.9	0.6	2.130569 202456	0.526067 298291
1.9	0.7	2.081242 783279	0.366020 277673
1.9	0.8	2.024760 766040	0.212132 014165
1.9	0.9	1.961349 638899	0.065065 342477
1.9	1.0	1.891285 099821	-0.074585 348924
1.9	1.1	1.814893 8448 36	-0.206294 623296
1.9	1.2	1.732553 843190	-0.329605 540813
1.9	1.3	1.644693 156154	-0.444128 579172
1.9	1.4	1.551787 441916	-0.549540 198687
1.9	1.5	1.454356 339108	-0.645581 246528
1.9	1.6	1.352958 941668	-0.732055 324046
1.9	1.7	1.248188 576374	-0.808827 181432
1.9	1.8	1.140667 078652	-0.875821 158131
1.9	1.9	1.031038 739520	-0.933019 655654
1.9	2.0	0.919964 070869	-0.980461 609722
1.9	2.1	0.808113 511590	-1.018240 919142
1.9	2.2	0.696161 174658	-1.046504 786207
1.9	2.3	0.584778 716294	-1.065451 926185
1.9	2.4	0.474629 392629	-1.075330 609150
1.9	2.5	0.366362 356793	-1.076436 504899
1.9	2.6	0.260607 239511	-1.069110 309963
1.9	2.7	0.157969 048604	-1.053735 143845
1.9	2.8	0.059023 416654	-1.030733 709582
1.9	2.9	-0.035687 778533	-1.000565 220722
1.9	3.0	-0.125660 400285	-0.963722 103343
1.9	3.1	-0.210431 629030	-0.920726 487210

Table I

y	x	Re Ci(x+jy)	Im Ci(x+jy)
2.0	0.0	2.452666 922647	1.570796 326794
2.0	0.1	2.448303 772762	1.382854 471880
2.0	0.2	2.435229 492501	1.195917 651283
2.0	0.3	2.413490 258296	1.010978 307763
2.0	0.4	2.383165 167611	0.829004 272599
2.0	0.5	2.344369 141893	0.650927 818122
2.0	0.6	2.297256 439340	0.477636 156415
2.0	0.7	2.242024 336264	0.309963 599829
2.0	0.8	2.178916 537234	0.148685 437992
2.0	0.9	2.108225 929990	-0.005486 553081
2.0	1.0	2.030296 393292	-0.151907 155175
2.0	1.1	1.945523 474462	-0.289999 547981
2.0	1.2	1.854353 860125	-0.419256 204038
2.0	1.3	1.757283 655437	-0.539239 081494
2.0	1.4	1.654855 557044	-0.649579 321070
2.0	1.5	1.547655 051628	-0.749976 606744
2.0	1.6	1.436305 796899	-0.840198 301683
2.0	1.7	1.321464 350061	-0.920078 427504
2.0	1.8	1.203814 404543	-0.989516 519300
2.0	1.9	1.084060 683893	-1.048476 362456
2.0	2.0	0.962922 625895	-1.096984 599208
2.0	2.1	0.841127 972840	-1.135129 182640
2.0	2.2	0.719406 367081	-1.163057 651313
2.0	2.3	0.598483 036231	-1.180975 197806
2.0	2.4	0.479072 638517	-1.189142 507565
2.0	2.5	0.361873 328382	-1.187873 349495
2.0	2.6	0.247561 092458	-1.177531 905873
2.0	2.7	0.136784 398774	-1.158529 835712
2.0	2.8	0.030159 195357	-1.131323 072247
2.0	2.9	-0.071735 710820	-1.096408 361371
2.0	3.0	-0.168362 868330	-1.054319 553657
2.0	3.1	-0.259229 967126	-1.005623 667626

Table I

y	x	Re Ci(x+jy)	Im Ci(x+jy)
2.1	0.0	2.645310 509075	1.570796 326794
2.1	0.1	2.640435 191178	1.373622 069117
2.1	0.2	2.625830 459108	1.177489 417624
2.1	0.3	2.601560 394480	0.983428 446681
2.1	0.4	2.567733 128243	0.792446 591049
2.1	0.5	2.524502 629219	0.605518 339884
2.1	0.6	2.472070 833472	0.423576 026448
2.1	0.7	2.410689 809260	0.247501 901173
2.1	0.8	2.340663 647083	0.078121 564573
2.1	0.9	2.262349 795955	-0.083801 263437
2.1	1.0	2.176159 625562	-0.237568 738829
2.1	1.1	2.082558 066970	-0.382551 803891
2.1	1.2	1.982062 259858	-0.518192 185386
2.1	1.3	1.875239 202841	-0.644003 651597
2.1	1.4	1.762702 459138	-0.759572 681394
2.1	1.5	1.645108 010310	-0.864558 670745
2.1	1.6	1.523149 376379	-0.958693 770557
2.1	1.7	1.397552 133186	-1.041782 419550
2.1	1.8	1.269067 960468	-1.113700 609470
2.1	1.9	1.138468 349468	-1.174394 899118
2.1	2.0	1.006538 090118	-1.223881 178664
2.1	2.1	0.874068 646447	-1.262243 176307
2.1	2.2	0.741851 516889	-1.289630 694336
2.1	2.3	0.610671 664836	-1.306257 560676
2.1	2.4	0.481301 093468	-1.312399 283479
2.1	2.5	0.354492 629585	-1.308390 399855
2.1	2.6	0.230973 972581	-1.294621 514580
2.1	2.7	0.111442 057198	-1.271536 029866
2.1	2.8	-0.003442 227699	-1.239626 572806
2.1	2.9	-0.113058 927776	-1.199431 132607
2.1	3.0	-0.216833 487963	-1.151528 924772
2.1	3.1	-0.314240 766439	-1.096536 004191

Table I

y	x	Re Ci(x+jy)	Im Ci(x+jy)
2.2	0.0	2.847711 781382	1.570796 326794
2.2	0.1	2.842303 145072	1.363346 126178
2.2	0.2	2.826104 082743	1.156985 707443
2.2	0.3	2.799195 362216	0.952793 948376
2.2	0.4	2.761712 315192	0.751828 242837
2.2	0.5	2.713845 776441	0.555114 538493
2.2	0.6	2.655843 142128	0.363638 229158
2.2	0.7	2.588009 335182	0.178336 065844
2.2	0.8	2.510707 458646	0.000089 173012
2.2	0.9	2.424358 936012	-0.170282 816132
2.2	1.0	2.329442 975436	-0.332026 550714
2.2	1.1	2.226495 244265	-0.484458 766474
2.2	1.2	2.116105 694048	-0.626969 213148
2.2	1.3	1.998915 527092	-0.759022 821040
2.2	1.4	1.875613 339513	-0.880161 216329
2.2	1.5	1.746930 509743	-0.990003 679592
2.2	1.6	1.613635 925176	-1.088247 622656
2.2	1.7	1.476530 153832	-1.174668 638727
2.2	1.8	1.336439 174158	-1.249120 162282
2.2	1.9	1.194207 776090	-1.311532 759729
2.2	2.0	1.050692 742435	-1.361913 060295
2.2	2.1	0.906755 912705	-1.400342 328793
2.2	2.2	0.763257 223306	-1.426974 677598
2.2	2.3	0.621047 809306	-1.442034 913888
2.2	2.4	0.480963 244282	-1.445816 019043
2.2	2.5	0.343816 986547	-1.438676 259858
2.2	2.6	0.210394 092507	-1.421035 934961
2.2	2.7	0.081445 250905	-1.393373 764320
2.2	2.8	-0.042318 814653	-1.356222 934552
2.2	2.9	-0.160232 533331	-1.310166 817652
2.2	3.0	-0.271680 228674	-1.255834 385319
2.2	3.1	-0.376100 383111	-1.193895 345686

Table I

y	x	Re Ci(x+jy)	Im Ci(x+jy)
2.3	0.0	3.060939 262081	1.570796 326794
2.3	0.1	3.054970 499947	1.351978 574844
2.3	0.2	3.037096 450018	1.134309 739490
2.3	0.3	3.007413 903484	0.918928 131412
2.3	0.4	2.966084 423308	0.706951 105746
2.3	0.5	2.913334 615788	0.499465 203901
2.3	0.6	2.849456 334542	0.297516 983378
2.3	0.7	2.774806 669808	0.102104 681455
2.3	0.8	2.689807 569291	-0.085829 196807
2.3	0.9	2.594944 947739	-0.265404 328878
2.3	1.0	2.490767 167329	-0.435808 071515
2.3	1.1	2.377882 805445	-0.596300 046250
2.3	1.2	2.256957 665027	-0.746215 877710
2.3	1.3	2.128711 020804	-0.884970 158765
2.3	1.4	1.993911 129014	-1.012058 716920
2.3	1.5	1.853370 056352	-1.127060 249634
2.3	1.6	1.707937 904927	-1.229637 385490
2.3	1.7	1.558496 524130	-1.319537 215699
2.3	1.8	1.405952 808276	-1.396591 328265
2.3	1.9	1.251231 681688	-1.460715 366497
2.3	2.0	1.095268 871887	-1.511908 125394
2.3	2.1	0.939003 567868	-1.550250 193666
2.3	2.2	0.783371 054968	-1.575902 145996
2.3	2.3	0.629295 411469	-1.589102 289291
2.3	2.4	0.477682 345214	-1.590163 967515
2.3	2.5	0.329412 241609	-1.579472 432045
2.3	2.6	0.185333 487726	-1.557481 287965
2.3	2.7	0.046256 130702	-1.524708 530603
2.3	2.8	-0.087054 077490	-1.481732 191126
2.3	2.9	-0.213881 202717	-1.429185 614394
2.3	3.0	-0.333564 178238	-1.367752 396777
2.3	3.1	-0.445501 345937	-1.298161 015690

Table I

y	x	Re Ci(x+jy)	Im Ci(x+jy)
2 .4	0. 0	3 .286115 007708	1 .570796 326794
2 .4	0. 1	3 .279553 897711	1 .339460 332037
2 .4	0. 2	3 .259908 107471	1 .109343 037808
2 .4	0. 3	3 .227290 220699	0 .881652 577053
2 .4	0. 4	3 .181687 739253	0 .657576 157418
2 .4	0. 5	3 .123962 811920	0 .438270 108662
2 .4	0. 6	3 .053851 734360	0 .224850 503349
2 .4	0. 7	2 .971964 119036	0 .018384 482993
2 .4	0. 8	2 .878781 628865	-0 .180117 618116
2 .4	0. 9	2 .774856 175431	-0 .369709 298772
2 .4	1. 0	2 .660807 499685	-0 .549514 048871
2 .4	1. 1	2 .537320 077720	-0 .718730 650053
2 .4	1. 2	2 .405139 322414	-0 .876637 649252
2 .4	1. 3	2 .265067 060672	-1 .022597 046931
2 .4	1. 4	2 .117956 452912	-1 .156057 246129
2 .4	1. 5	1 .964705 984465	-1 .276555 307404
2 .4	1. 6	1 .806253 296886	-1 .383718 549935
2 .4	1. 7	1 .643568 240348	-1 .477265 532347
2 .4	1. 8	1 .477645 656825	-1 .557006 439801
2 .4	1. 9	1 .309497 848031	-1 .622842 897568
2 .4	2. 0	1 .140146 843203	-1 .674767 224515
2 .4	2. 1	0 .970616 560144	-1 .712861 142125
2 .4	2. 2	0 .801924 949574	-1 .737293 941684
2 .4	2. 3	0 .635076 208282	-1 .748320 126143
2 .4	2. 4	0 .471053 141127	-1 .746276 533368
2 .4	2. 5	0 .310809 746203	-1 .731578 955434
2 .4	2. 6	0 .155264 091511	-1 .704718 270455
2 .4	2. 7	0 .005291 545517	-1 .666256 107425
2 .4	2. 8	-0 .138281 582004	-1 .616820 068785
2 .4	2. 9	-0 .274683 938225	-1 .557098 539787
2 .4	3. 0	-0 .403204 519897	-1 .487835 117865
2 .4	3. 1	-0 .523197 521189	-1 .409822 699343

Table I

y	x	Re Ci(x+jy)	Im Ci(x+jy)
2 .5	0. 0	3 .524425 488355	1 .570796 326794
2 .5	0. 1	3 .517234 485370	1 .325721 621531
2 .5	0. 2	3 .495704 351702	1 .081946 003710
2 .5	0. 3	3 .459963 580023	0 .840757 819155
2 .5	0. 4	3 .410225 868040	0 .603424 108872
2 .5	0. 5	3 .346789 389898	0 .371180 392451
2 .5	0. 6	3 .270035 695320	0 .145220 946696
2 .5	0. 7	3 .180426 168493	-0 .073310 297815
2 .5	0. 8	3 .078509 975493	-0 .283328 148974
2 .5	0. 9	2 .964901 434328	-0 .483813 770882
2 .5	1. 0	2 .840296 754089	-0 .673821 491196
2 .5	1. 1	2 .705460 107949	-0 .852484 785279
2 .5	1. 2	2 .561221 026022	-1 .019021 442007
2 .5	1. 3	2 .408469 116338	-1 .172737 927962
2 .5	1. 4	2 .248148 143545	-1 .313032 973548
2 .5	1. 5	2 .081249 513976	-1 .439400 406957
2 .5	1. 6	1 .908805 231299	-1 .551431 261501
2 .5	1. 7	1 .731880 399070	-1 .648815 179436
2 .5	1. 8	1 .551565 354845	-1 .731341 132157
2 .5	1. 9	1 .368967 525601	-1 .798897 473838
2 .5	2. 0	1 .185203 096302	-1 .851471 342951
2 .5	2. 1	1 .001388 583443	-1 .889147 424937
2 .5	2. 2	0 .818632 403351	-1 .912106 088974
2 .5	2. 3	0 .638026 521699	-1 .920620 912829
2 .5	2. 4	0 .460638 266601	-1 .915055 611711
2 .5	2. 5	0 .287502 382549	-1 .895860 389985
2 .5	2. 6	0 .119613 397327	-1 .863567 738077
2 .5	2. 7	-0 .042081 631713	-1 .818787 700893
2 .5	2. 8	-0 .196689 931237	-1 .762202 648369
2 .5	2. 9	-0 .343379 330608	-1 .694561 582987
2 .5	3. 0	-0 .481384 036645	-1 .616674 023373
2 .5	3. 1	-0 .610009 821530	-1 .529403 507097

Table I

y	x	Re Ci(x+jy)	Im Ci(x+jy)
2.6	0.0	3.777132 273992	1.570796 326794
2.6	0.1	3.769268 480918	1.310682 028295
2.6	0.2	3.745725 443465	1.051957 975831
2.6	0.3	3.706647 969343	0.796003 319524
2.6	0.4	3.652276 671121	0.544175 175346
2.6	0.5	3.582946 837623	0.297797 994638
2.6	0.6	3.499086 801627	0.058153 377403
2.6	0.7	3.401215 760380	-0.173529 553971
2.6	0.8	3.289941 004076	-0.396083 125960
2.6	0.9	3.165954 511996	-0.608409 358661
2.6	1.0	3.030028 885993	-0.809487 434303
2.6	1.1	2.883012 604885	-0.998380 359108
2.6	1.2	2.725824 600064	-1.174240 803717
2.6	1.3	2.559448 170152	-1.336316 119169
2.6	1.4	2.384924 269802	-1.483952 533530
2.6	1.5	2.203344 223502	-1.616598 539156
2.6	1.6	2.015841 928638	-1.733807 483050
2.6	1.7	1.823585 623204	-1.835239 373637
2.6	1.8	1.627769 300187	-1.920661 917354
2.6	1.9	1.429603 858615	-1.989950 798095
2.6	2.0	1.230308 080644	-2.043089 212813
2.6	2.1	1.031099 527643	-2.080166 677028
2.6	2.2	0.833185 445709	-2.101377 115405
2.6	2.3	0.637753 769246	-2.107016 254773
2.6	2.4	0.445964 307673	-2.097478 339701
2.6	2.5	0.258940 196075	-2.073252 194323
2.6	2.6	0.077759 685837	-2.034916 658024
2.6	2.7	-0.096551 654036	-1.983135 426918
2.6	2.8	-0.263028 259863	-1.918651 337434
2.6	2.9	-0.420771 361246	-1.842280 132874
2.6	3.0	-0.568955 180997	-1.754903 758071
2.6	3.1	-0.706832 500098	-1.657463 231375

Table I

y	x	Re Ci(x+jy)	Im Ci(x+jy)
2.7	0.0	4.045582 771698	1.570796 326794
2.7	0.1	4.036997 810749	1.294250 335284
2.7	0.2	4.011296 952291	1.019196 870802
2.7	0.3	3.968641 976092	0.747116 851244
2.7	0.4	3.909301 531999	0.479468 120780
2.7	0.5	3.833649 648395	0.217674 268773
2.7	0.6	3.742163 612953	-0.036886 139530
2.7	0.7	3.635421 200658	-0.282889 806766
2.7	0.8	3.514097 224470	-0.519078 325075
2.7	0.9	3.378959 388695	-0.744267 097043
2.7	1.0	3.230863 433540	-0.957353 495257
2.7	1.1	3.070747 570862	-1.157324 215983
2.7	1.2	2.899626 224573	-1.343261 796578
2.7	1.3	2.718583 103621	-1.514350 277651
2.7	1.4	2.528763 649643	-1.669879 999786
2.7	1.5	2.331366 914772	-1.809251 531394
2.7	1.6	2.127636 936643	-1.931978 728597
2.7	1.7	1.918853 687323	-2.037690 931629
2.7	1.8	1.706323 680204	-2.126134 304653
2.7	1.9	1.491370 324276	-2.197172 327995
2.7	2.0	1.275324 118072	-2.250785 454102
2.7	2.1	1.059512 777056	-2.287069 940818
2.7	2.2	0.845251 387735	-2.306235 878650
2.7	2.3	0.633832 680044	-2.308604 431833
2.7	2.4	0.426517 506721	-2.294604 317073
2.7	2.5	0.224525 614597	-2.264767 547887
2.7	2.6	0.029026 788210	-2.219724 477222
2.7	2.7	-0.158867 558993	-2.160198 175592
2.7	2.8	-0.338112 276134	-2.086998 186914
2.7	2.9	-0.507735 785337	-2.001013 708877
2.7	3.0	-0.666846 753690	-1.903206 249362
2.7	3.1	-0.814640 075789	-1.794601 814520

Table I

y	x	Re Ci(x+jy)	Im Ci(x+jy)
2 .8	0. 0	4.331221 215681	1.570796 326794
2 .8	0. 1	4.321861 013706	1.276324 176345
2 .8	0. 2	4.293840 407346	0.983458 467302
2 .8	0. 3	4.247339 031241	0.693793 373217
2 .8	0. 4	4.182655 060406	0.408898 669053
2 .8	0. 5	4.100203 377730	0.130307 870516
2 .8	0. 6	4.000512 993543	-0.140493 231994
2 .8	0. 7	3.884223 706461	-0.402077 531464
2 .8	0. 8	3.752081 996860	-0.653086 954653
2 .8	0. 9	3.604936 149436	-0.892242 119749
2 .8	1. 0	3.443730 609237	-1.118351 231008
2 .8	1. 1	3.269499 585387	-1.330318 154260
2 .8	1. 2	3.083359 928417	-1.527149 629811
2 .8	1. 3	2.886503 319211	-1.707961 590496
2 .8	1. 4	2.680187 819832	-1.871984 561853
2 .8	1. 5	2.465728 847888	-2.018568 129194
2 .8	1. 6	2.244489 646391	-2.147184 462512
2 .8	1. 7	2.017871 329622	-2.257430 895566
2 .8	1. 8	1.787302 592473	-2.349031 559847
2 .8	1. 9	1.554229 175624	-2.421838 078450
2 .8	2. 0	1.320103 182179	-2.475829 328741
2 .8	2. 1	1.086372 342905	-2.511110 286982
2 .8	2. 2	0.854469 327137	-2.527909 972370
2 .8	2. 3	0.625801 195124	-2.526578 512498
2 .8	2. 4	0.401739 085054	-2.507583 357251
2 .8	2. 5	0.183608 224471	-2.471504 673167
2 .8	2. 6	-0.027321 648533	-2.419029 955626
2 .8	2. 7	-0.229845 373950	-2.350947 901530
2 .8	2. 8	-0.422830 893687	-2.268141 590468
2 .8	2. 9	-0.605227 141947	-2.171581 027444
2 .8	3. 0	-0.776071 240165	-2.062315 105218
2 .8	3. 1	-0.934494 941343	-1.941463 048796

Table I

y	x	Re Ci(x+jy)	Im Ci(x+jy)
2.9	0.0	4.635600 083670	1.570796 326794
2.9	0.1	4.625404 580503	1.256789 527521
2.9	0.2	4.594884 409350	0.944515 374879
2.9	0.3	4.544238 153204	0.635693 451033
2.9	0.4	4.473795 342984	0.332017 343309
2.9	0.5	4.384014 294628	0.035141 978722
2.9	0.6	4.275479 078769	-0.253328 652445
2.9	0.7	4.148895 623526	-0.531853 268946
2.9	0.8	4.005086 954744	-0.798964 462827
2.9	0.9	3.844987 583874	-1.053279 163898
2.9	1.0	3.669637 061334	-1.293508 325421
2.9	1.1	3.480172 722547	-1.518465 764525
2.9	1.2	3.277821 664088	-1.727076 102642
2.9	1.3	3.063891 998292	-1.918381 762152
2.9	1.4	2.839763 445294	-2.091548 985019
2.9	1.5	2.606877 331815	-2.245872 847917
2.9	1.6	2.366726 074972	-2.380781 255792
2.9	1.7	2.120842 237401	-2.495837 902754
2.9	1.8	1.870787 246276	-2.590744 195291
2.9	1.9	1.618139 873565	-2.665340 138742
2.9	2.0	1.364484 577938	-2.719604 193675
2.9	2.1	1.111399 810532	-2.753652 114415
2.9	2.2	0.860446 386737	-2.767734 787856
2.9	2.3	0.613156 025079	-2.762235 096400
2.9	2.4	0.371020 152023	-2.737663 834975
2.9	2.5	0.135479 068022	-2.694654 718063
2.9	2.6	-0.092088 434142	-2.633958 518784
2.9	2.7	-0.310374 912657	-2.556436 388147
2.9	2.8	-0.518153 501475	-2.463052 408350
2.9	2.9	-0.714286 442746	-2.354865 439809
2.9	3.0	-0.897732 859917	-2.233020 326798
2.9	3.1	-1.067555 711833	-2.098738 531543

Table I

y	x	Re Ci(x+jy)	Im Ci(x+jy)
3.0	0.0	4.960392 094767	1.570796 326794
3.0	0.1	4.949294 880076	1.235520 050894
3.0	0.2	4.916076 345062	0.902115 713800
3.0	0.3	4.860955 317517	0.572441 258494
3.0	0.4	4.784294 846910	0.248326 770915
3.0	0.5	4.686599 712596	-0.068439 114961
3.0	0.6	4.568512 943387	-0.376122 419279
3.0	0.7	4.430811 358287	-0.673056 507035
3.0	0.8	4.274400 143690	-0.957654 157923
3.0	0.9	4.100306 488916	-1.228418 916623
3.0	1.0	3.909672 309968	-1.483955 635906
3.0	1.1	3.703746 100455	-1.722980 136472
3.0	1.2	3.483873 958264	-1.944327 918596
3.0	1.3	3.251489 846674	-2.146961 871310
3.0	1.4	3.008105 158244	-2.329978 934922
3.0	1.5	2.755297 659391	-2.492615 682040
3.0	1.6	2.494699 901687	-2.634252 790872
3.0	1.7	2.227987 193371	-2.754418 392820
3.0	1.8	1.956865 230471	-2.852790 283987
3.0	1.9	1.683057 491325	-2.929196 997651
3.0	2.0	1.408292 501522	-2.983617 742031
3.0	2.1	1.134291 077679	-3.016181 214706
3.0	2.2	0.862753 658800	-3.027163 312299
3.0	2.3	0.595347 832832	-3.016983 761003
3.0	2.4	0.333696 163685	-2.986201 700769
3.0	2.5	0.079364 420691	-2.935510 262937
3.0	2.6	-0.166149 691963	-2.865730 188151
3.0	2.7	-0.401427 213550	-2.777802 538134
3.0	2.8	-0.625137 926473	-2.672780 561515
3.0	2.9	-0.836049 597783	-2.551820 780134
3.0	3.0	-1.033036 390140	-2.416173 368076
3.0	3.1	-1.215086 377735	-2.267171 900988

Table I

y	x	Re Ci(x+jy)	Im Ci(x+jy)
3 .1	0. 0	5 .307402 932674	1 .570796 326794
3 .1	0. 1	5 .295330 814163	1 .212376 299085
3 .1	0. 2	5 .259194 837883	0 .855981 520659
3 .1	0. 3	5 .199235 574031	0 .503622 178624
3 .1	0. 4	5 .115852 083328	0 .157278 473537
3 .1	0. 5	5 .009599 090631	-0 .181114 031634
3 .1	0. 6	4 .881183 044659	-0 .509678 658513
3 .1	0. 7	4 .731457 081738	-0 .826611 331962
3 .1	0. 8	4 .561414 918226	-1 .130193 654483
3 .1	0. 9	4 .372183 704011	-1 .418805 229818
3 .1	1. 0	4 .165015 877868	-1 .690935 139596
3 .1	1. 1	3 .941280 074672	-1 .945192 487437
3 .1	1. 2	3 .702451 143978	-2 .180315 935925
3 .1	1. 3	3 .450099 349048	-2 .395182 172423
3 .1	1. 4	3 .185878 824722	-2 .588813 250232
3 .1	1. 5	2 .911515 381412	-2 .760382 761574
3 .1	1. 6	2 .628793 750222	-2 .909220 808622
3 .1	1. 7	2 .339544 371262	-3 .034817 748088
3 .1	1. 8	2 .045629 832700	-3 .136826 693912
3 .1	1. 9	1 .748931 072476	-3 .215064 771466
3 .1	2. 0	1 .451333 457448	-3 .269513 125272
3 .1	2. 1	1 .154712 856315	-3 .300315 690775
3 .1	2. 2	0 .860921 822751	-3 .307776 749248
3 .1	2. 3	0 .571776 004087	-3 .292357 293138
3 .1	2. 4	0 .289040 888511	-3 .254670 237577
3 .1	2. 5	0 .014419 000236	-3 .195474 521811
3 .1	2. 6	-0 .250462 352476	-3 .115668 152255
3 .1	2. 7	-0 .504062 676987	-3 .016280 246598
3 .1	2. 8	-0 .744939 150595	-2 .898462 145658
3 .1	2. 9	-0 .971756 643503	-2 .763477 666631
3 .1	3. 0	-1 .183296 832269	-2 .612692 577804
3 .1	3. 1	-1 .378466 333899	-2 .447563 380656

Table II

y	x	Re Si(x+jy)	Im Si(x+jy)
0.0	0.1	0.099944 461108	0.000000 000000
0.0	0.2	0.199556 088526	0.000000 000000
0.0	0.3	0.298504 043807	0.000000 000000
0.0	0.4	0.396461 464751	0.000000 000000
0.0	0.5	0.493107 418043	0.000000 000000
0.0	0.6	0.588128 809609	0.000000 000000
0.0	0.7	0.681222 239116	0.000000 000000
0.0	0.8	0.772095 785482	0.000000 000000
0.0	0.9	0.860470 710745	0.000000 000000
0.0	1.0	0.946083 070367	0.000000 000000
0.0	1.1	1.028685 218675	0.000000 000000
0.0	1.2	1.108047 199013	0.000000 000000
0.0	1.3	1.183958 009076	0.000000 000000
0.0	1.4	1.256226 732779	0.000000 000000
0.0	1.5	1.324683 531172	0.000000 000000
0.0	1.6	1.389180 485869	0.000000 000000
0.0	1.7	1.449592 289683	0.000000 000000
0.0	1.8	1.505816 780256	0.000000 000000
0.0	1.9	1.557775 313749	0.000000 000000
0.0	2.0	1.605412 976803	0.000000 000000
0.0	2.1	1.648698 636244	0.000000 000000
0.0	2.2	1.687624 827242	0.000000 000000
0.0	2.3	1.722207 481807	0.000000 000000
0.0	2.4	1.752485 500763	0.000000 000000
0.0	2.5	1.778520 173443	0.000000 000000
0.0	2.6	1.800394 450527	0.000000 000000
0.0	2.7	1.818212 076472	0.000000 000000
0.0	2.8	1.832096 589081	0.000000 000000
0.0	2.9	1.842190 194647	0.000000 000000
0.0	3.0	1.848652 527999	0.000000 000000
0.0	3.1	1.851659 307674	0.000000 000000

Table II

y	x	Re Si(x+jy)	Im Si(x+jy)
0.1	0.0	0.000000 000000	0.000000 000000
0.1	0.1	0.100111 044421	-0.000166 749979
0.1	0.2	0.199888 256345	-0.000665 999921
0.1	0.3	0.298999 805639	-0.001494 756962
0.1	0.4	0.397117 852626	-0.002648 056740
0.1	0.5	0.493920 507679	-0.004118 998806
0.1	0.6	0.589093 748374	-0.005898 795817
0.1	0.7	0.682333 280585	-0.007976 836125
0.1	0.8	0.773346 330277	-0.010340 759288
0.1	0.9	0.861853 353407	-0.012976 543898
0.1	1.0	0.947589 651847	-0.015868 607046
0.1	1.1	1.030306 884041	-0.018999 914696
0.1	1.2	1.109774 459966	-0.022352 102036
0.1	1.3	1.185780 810735	-0.025905 602955
0.1	1.4	1.258134 524274	-0.029639 787605
0.1	1.5	1.326665 339468	-0.033533 107001
0.1	1.6	1.391224 992273	-0.037563 243526
0.1	1.7	1.451687 908430	-0.041707 266243
0.1	1.8	1.507951 738590	-0.045941 789755
0.1	1.9	1.559937 732898	-0.050243 135475
0.1	2.0	1.607590 953193	-0.054587 493996
0.1	2.1	1.650880 322382	-0.058951 087422
0.1	2.2	1.689798 511642	-0.063310 330360
0.1	2.3	1.724361 667362	-0.067641 988418
0.1	2.4	1.754608 980963	-0.071923 332993
0.1	2.5	1.780602 105908	-0.076132 291190
0.1	2.6	1.802424 427273	-0.080247 589821
0.1	2.7	1.820180 190445	-0.084248 892357
0.1	2.8	1.833993 496442	-0.088116 927897
0.1	2.9	1.844007 172368	-0.091833 611206
0.1	3.0	1.850381 526388	-0.095382 152939
0.1	3.1	1.853292 997437	-0.098747 159363

Table II

y	x	Re Si(x+jy)	Im Si(x+jy)
0.2	0.0	0.000000 000000	0.000000 000000
0.2	0.1	0.100611 794361	-0.000334 501151
0.2	0.2	0.200886 752655	-0.001335 997455
0.2	0.3	0.300490 062628	-0.002998 481810
0.2	0.4	0.399090 945195	-0.005311 990027
0.2	0.5	0.496364 634979	-0.008262 671949
0.2	0.6	0.591994 317929	-0.011832 890215
0.2	0.7	0.685673 012180	-0.016001 345932
0.2	0.8	0.777105 378877	-0.020743 230271
0.2	0.9	0.866009 450081	-0.026030 400807
0.2	1.0	0.952118 261643	-0.031831 581237
0.2	1.1	1.035181 379594	-0.038112 582953
0.2	1.2	1.114966 309481	-0.044836 546693
0.2	1.3	1.191259 778899	-0.051964 202512
0.2	1.4	1.263868 884558	-0.059454 145925
0.2	1.5	1.332622 096171	-0.067263 128239
0.2	1.6	1.397370 110616	-0.075346 358741
0.2	1.7	1.457986 550929	-0.083657 816474
0.2	1.8	1.514368 505932	-0.092150 569202
0.2	1.9	1.566436 907416	-0.100777 097130
0.2	2.0	1.614136 743182	-0.109489 618936
0.2	2.1	1.657437 105354	-0.118240 417623
0.2	2.2	1.696331 074677	-0.126982 163720
0.2	2.3	1.730835 442806	-0.135668 233468
0.2	2.4	1.760990 275678	-0.144253 019530
0.2	2.5	1.786858 322377	-0.152692 231971
0.2	2.6	1.808524 274954	-0.160943 187276
0.2	2.7	1.826093 885822	-0.168965 083279
0.2	2.8	1.839692 950315	-0.176719 258002
0.2	2.9	1.849466 163078	-0.184169 430587
0.2	3.0	1.855575 857735	-0.191281 922540
0.2	3.1	1.858200 640200	-0.198025 857836

Table II

y	x	Re Si(x+jy)	Im Si(x+jy)
0.3	0.0	0.000000 000000	-0.000000 000000
0.3	0.1	0.101449 718072	-0.000504 261860
0.3	0.2	0.202557 570284	-0.002014 018797
0.3	0.3	0.302983 750504	-0.004520 206514
0.3	0.4	0.402392 557340	-0.008007 789811
0.3	0.5	0.500454 409765	-0.012455 869921
0.3	0.6	0.596847 818980	-0.017837 833633
0.3	0.7	0.691261 302457	-0.024121 543021
0.3	0.8	0.783395 226566	-0.031269 564292
0.3	0.9	0.872963 564688	-0.039239 434028
0.3	1.0	0.959695 558491	-0.047983 960686
0.3	1.1	1.043337 270657	-0.057451 559091
0.3	1.2	1.123653 018298	-0.067586 615284
0.3	1.3	1.200426 677154	-0.078329 878921
0.3	1.4	1.273462 847729	-0.089618 880223
0.3	1.5	1.342587 875500	-0.101388 368198
0.3	1.6	1.407650 718563	-0.113570 766865
0.3	1.7	1.468523 657141	-0.126096 645877
0.3	1.8	1.525102 840706	-0.138895 202009
0.3	1.9	1.577308 669596	-0.151894 747847
0.3	2.0	1.625086 009384	-0.165023 203882
0.3	2.1	1.668404 237407	-0.178208 590386
0.3	2.2	1.707257 122253	-0.191379 515259
0.3	2.3	1.741662 538178	-0.204465 654255
0.3	2.4	1.771662 017690	-0.217398 219963
0.3	2.5	1.797320 146773	-0.230110 416039
0.3	2.6	1.818723 808347	-0.242537 873385
0.3	2.7	1.835981 280699	-0.254619 065026
0.3	2.8	1.849221 198706	-0.266295 696721
0.3	2.9	1.858591 386593	-0.277513 070454
0.3	3.0	1.864257 571981	-0.288220 418281
0.3	3.1	1.866401 991706	-0.298371 204146

Table II

y	x	Re Si(x+jy)	Im Si(x+jy)
0.4	0.0	0.000000 000000	0.000000 000000
0.4	0.1	0.102629 851350	-0.000677 054827
0.4	0.2	0.204910 744843	-0.002704 147496
0.4	0.3	0.306495 833044	-0.006069 091695
0.4	0.4	0.407042 474212	-0.010751 673719
0.4	0.5	0.506214 297460	-0.016723 796886
0.4	0.6	0.603683 222931	-0.023949 682169
0.4	0.7	0.699131 422642	-0.032386 123441
0.4	0.8	0.792253 207972	-0.041982 795386
0.4	0.9	0.882756 830434	-0.052682 611678
0.4	1.0	0.970366 182976	-0.064422 130628
0.4	1.1	1.054822 389863	-0.077132 005172
0.4	1.2	1.135885 274085	-0.090737 473731
0.4	1.3	1.213334 692100	-0.105158 888113
0.4	1.4	1.286971 726869	-0.120312 274413
0.4	1.5	1.356619 731082	-0.136109 922582
0.4	1.6	1.422125 213806	-0.152461 000112
0.4	1.7	1.483358 564832	-0.169272 185162
0.4	1.8	1.540214 612356	-0.186448 314249
0.4	1.9	1.592613 010824	-0.203893 039574
0.4	2.0	1.640498 457149	-0.221509 490986
0.4	2.1	1.683840 734748	-0.239200 937540
0.4	2.2	1.722634 586173	-0.256871 443688
0.4	2.3	1.756899 416429	-0.274426 515154
0.4	2.4	1.786678 830322	-0.291773 729636
0.4	2.5	1.812040 008395	-0.308823 347678
0.4	2.6	1.833072 927293	-0.325488 899210
0.4	2.7	1.849889 431450	-0.341687 741389
0.4	2.8	1.862622 164122	-0.357341 583769
0.4	2.9	1.871423 366848	-0.372376 976965
0.4	3.0	1.876463 557278	-0.386725 761393
0.4	3.1	1.877930 096236	-0.400325 472910

Table II

y	x	Re Si(x+jy)	Im Si(x+jy)
0.5	0.0	0.000000 000000	0.000000 000000
0.5	0.1	0.104159 294642	-0.000853 924458
0.5	0.2	0.207960 426489	-0.003410 553704
0.5	0.3	0.311047 408996	-0.007654 492196
0.5	0.4	0.413068 592495	-0.013560 203109
0.5	0.5	0.513678 793618	-0.021092 190964
0.5	0.6	0.612541 378285	-0.030205 255326
0.5	0.7	0.709330 283322	-0.040844 813564
0.5	0.8	0.803731 962244	-0.052947 290207
0.5	0.9	0.895447 241397	-0.066440 569844
0.5	1.0	0.984193 073255	-0.081244 510058
0.5	1.1	1.069704 174589	-0.097271 510424
0.5	1.2	1.151734 537988	-0.114427 133147
0.5	1.3	1.230058 806279	-0.132610 770563
0.5	1.4	1.304473 500474	-0.151716 354328
0.5	1.5	1.374798 092910	-0.171633 100845
0.5	1.6	1.440875 918534	-0.192246 287166
0.5	1.7	1.502574 918512	-0.213438 051435
0.5	1.8	1.559788 211597	-0.235088 211738
0.5	1.9	1.612434 490045	-0.257075 097110
0.5	2.0	1.660458 238208	-0.279276 384340
0.5	2.1	1.703829 773290	-0.301569 934266
0.5	2.2	1.742545 109045	-0.323834 621226
0.5	2.3	1.776625 644665	-0.345951 149400
0.5	2.4	1.806117 682255	-0.367802 849971
0.5	2.5	1.831091 777731	-0.389276 453151
0.5	2.6	1.851641 931118	-0.410262 829343
0.5	2.7	1.867884 623446	-0.430657 694052
0.5	2.8	1.879957 708584	-0.450362 271369
0.5	2.9	1.888019 169352	-0.469283 911296
0.5	3.0	1.892245 748307	-0.487336 656504
0.5	3.1	1.892831 464406	-0.504441 754560

Table II

y	x	Re Si(x+jy)	Im Si(x+jy)
0.6	0.0	0.000000 000000	0.000000 000000
0.6	0.1	0.106047 263879	-0.001035 944351
0.6	0.2	0.211724 981155	-0.004137 524106
0.6	0.3	0.316665 862974	-0.009286 024195
0.6	0.4	0.420507 119744	-0.016450 401808
0.6	0.5	0.522892 670153	-0.025587 508654
0.6	0.6	0.623475 301879	-0.036642 399699
0.6	0.7	0.721918 768449	-0.049548 725955
0.6	0.8	0.817899 807188	-0.064229 208308
0.6	0.9	0.911110 063887	-0.080596 188665
0.6	1.0	1.001257 910503	-0.098552 254147
0.6	1.1	1.088070 143036	-0.117990 929520
0.6	1.2	1.171293 547661	-0.138797 432415
0.6	1.3	1.250696 324273	-0.160849 485600
0.6	1.4	1.326069 357608	-0.184018 179917
0.6	1.5	1.397227 327377	-0.208168 881312
0.6	1.6	1.464009 650052	-0.233162 174923
0.6	1.7	1.526281 246271	-0.258854 838996
0.6	1.8	1.583933 129107	-0.285100 841137
0.6	1.9	1.636882 809945	-0.311752 349322
0.6	2.0	1.685074 519976	-0.338660 749944
0.6	2.1	1.728479 246825	-0.365677 665141
0.6	2.2	1.767094 587176	-0.392655 961744
0.6	2.3	1.800944 417700	-0.419450 744272
0.6	2.4	1.830078 387920	-0.445920 324412
0.6	2.5	1.854571 240024	-0.471927 159946
0.6	2.6	1.874521 961909	-0.497338 756011
0.6	2.7	1.890052 780949	-0.522028 522161
0.6	2.8	1.901308 007212	-0.545876 578986
0.6	2.9	1.908452 735907	-0.568770 508453
0.6	3.0	1.911671 419845	-0.590606 042652
0.6	3.1	1.911166 323653	-0.611287 686155

Table II

y	x	Re Si(x+jy)	Im Si(x+jy)
0.7	0.0	0.000000 000000	0.000000 000000
0.7	0.1	0.108305 156469	-0.001224 225013
0.7	0.2	0.216227 122044	-0.004889 492724
0.7	0.3	0.323385 061398	-0.010973 634309
0.7	0.4	0.429402 833302	-0.019439 878432
0.7	0.5	0.533911 295203	-0.030237 114860
0.7	0.6	0.636550 557192	-0.043300 260647
0.7	0.7	0.736972 169129	-0.058550 726013
0.7	0.8	0.834841 225195	-0.075896 976340
0.7	0.9	0.929838 370799	-0.095235 185834
0.7	1.0	1.021661 697507	-0.116449 977866
0.7	1.1	1.110028 512579	-0.139415 246151
0.7	1.2	1.194676 970631	-0.163995 050475
0.7	1.3	1.275367 556056	-0.190044 579949
0.7	1.4	1.351884 405951	-0.217411 176418
0.7	1.5	1.424036 464607	-0.245935 410079
0.7	1.6	1.491658 461847	-0.275452 199001
0.7	1.7	1.554611 708923	-0.305791 963983
0.7	1.8	1.612784 707058	-0.336781 809866
0.7	1.9	1.666093 565173	-0.368246 724248
0.7	2.0	1.714482 224823	-0.400010 784493
0.7	2.1	1.757922 491812	-0.431898 363818
0.7	2.2	1.796413 875427	-0.463735 327361
0.7	2.3	1.829983 237788	-0.495350 209209
0.7	2.4	1.858684 257075	-0.526575 361541
0.7	2.5	1.882596 709975	-0.557248 067309
0.7	2.6	1.901825 579916	-0.587211 608281
0.7	2.7	1.916499 999031	-0.616316 280492
0.7	2.8	1.926772 032964	-0.644420 349787
0.7	2.9	1.932815 318794	-0.671390 940540
0.7	3.0	1.934823 567472	-0.697104 851217
0.7	3.1	1.933008 943002	-0.721449 291099

Table II

y	x	Re Si(x+jy)	Im Si(x+jy)
0.8	0.0	0.000000 000000	-0.000000 000000
0.8	0.1	0.110946 633026	-0.001419 921861
0.8	0.2	0.221494 072453	-0.005671 072887
0.8	0.3	0.331245 595119	-0.012727 671296
0.8	0.4	0.439809 400827	-0.022546 953272
0.8	0.5	0.546801 029090	-0.035069 479980
0.8	0.6	0.651845 722659	-0.050219 564066
0.8	0.7	0.754580 720662	-0.067905 812261
0.8	0.8	0.854657 464848	-0.088021 779892
0.8	0.9	0.951743 703057	-0.110446 732203
0.8	1.0	1.045525 474858	-0.135046 506538
0.8	1.1	1.135708 965206	-0.161674 468715
0.8	1.2	1.222022 213038	-0.190172 556135
0.8	1.3	1.304216 662800	-0.220372 399547
0.8	1.4	1.382068 548195	-0.252096 514811
0.8	1.5	1.455380 098702	-0.285159 555386
0.8	1.6	1.523980 560774	-0.319369 615950
0.8	1.7	1.587727 027164	-0.354529 577046
0.8	1.8	1.646505 069175	-0.390438 480491
0.8	1.9	1.700229 168255	-0.426892 924984
0.8	2.0	1.748842 944870	-0.463688 471230
0.8	2.1	1.792319 184143	-0.500621 045954
0.8	2.2	1.830659 659306	-0.537488 334111
0.8	2.3	1.863894 755548	-0.574091 148789
0.8	2.4	1.892082 898375	-0.610234 768569
0.8	2.5	1.915309 792038	-0.645730 232266
0.8	2.6	1.933687 475083	-0.680395 581562
0.8	2.7	1.947353 201310	-0.714057 042278
0.8	2.8	1.956468 155883	-0.746550 135756
0.8	2.9	1.961216 017404	-0.777720 712251
0.8	3.0	1.961801 377953	-0.807425 899051
0.8	3.1	1.958448 034090	-0.835534 956615

Table II

y	x	Re Si(x+jy)	Im Si(x+jy)
0.9	0.0	0.000000 000000	0.000000 000000
0.9	0.1	0.113987 715428	-0.001624 243596
0.9	0.2	0.227557 761107	-0.006487 090618
0.9	0.3	0.340295 070575	-0.014558 960911
0.9	0.4	0.451789 764957	-0.025790 790743
0.9	0.5	0.561639 699485	-0.040114 385642
0.9	0.6	0.669452 953656	-0.057442 910524
0.9	0.7	0.774850 246972	-0.077671 513266
0.9	0.8	0.877467 262769	-0.100678 076846
0.9	0.9	0.976956 863325	-0.126324 094227
0.9	1.0	1.072991 180358	-0.154455 659130
0.9	1.1	1.165263 565939	-0.184904 565003
0.9	1.2	1.253490 389988	-0.217489 503643
0.9	1.3	1.337412 671692	-0.252017 354160
0.9	1.4	1.416797 533505	-0.288284 552300
0.9	1.5	1.491439 467758	-0.326078 529517
0.9	1.6	1.561161 407386	-0.365179 210701
0.9	1.7	1.625815 593781	-0.405360 558987
0.9	1.8	1.685284 236382	-0.446392 155796
0.9	1.9	1.739479 960203	-0.488040 803983
0.9	2.0	1.788346 039158	-0.530072 141829
0.9	2.1	1.831856 414685	-0.572252 255609
0.9	2.2	1.870015 500774	-0.614349 278450
0.9	2.3	1.902857 778271	-0.656134 963453
0.9	2.4	1.930447 182731	-0.697386 219213
0.9	2.5	1.952876 291852	-0.737886 596278
0.9	2.6	1.970265 319913	-0.777427 713523
0.9	2.7	1.982760 928102	-0.815810 613852
0.9	2.8	1.990534 861022	-0.852847 039451
0.9	2.9	1.993782 420933	-0.888360 617259
0.9	3.0	1.992720 792364	-0.922187 946252
0.9	3.1	1.987587 231028	-0.954179 578912

Table II

y	x	Re Si(x+jy)	Im Si(x+jy)
1.0	0.0	0.000000 000000	0.000000 000000
1.0	0.1	0.117446 901988	-0.001838 460958
1.0	0.2	0.234455 051627	-0.007342 619648
1.0	0.3	0.350588 451693	-0.016478 884448
1.0	0.4	0.465416 595055	-0.029191 538397
1.0	0.5	0.578517 159465	-0.045403 140634
1.0	0.6	0.689478 642502	-0.065015 083962
1.0	0.7	0.797902 917426	-0.087908 304270
1.0	0.8	0.903407 691384	-0.113944 136181
1.0	0.9	1.005628 848107	-0.142965 308315
1.0	1.0	1.104222 658234	-0.174797 070365
1.0	1.1	1.198867 841350	-0.209248 443244
1.0	1.2	1.289267 465039	-0.246113 582508
1.0	1.3	1.375150 667571	-0.285173 244536
1.0	1.4	1.456274 192114	-0.326196 344035
1.0	1.5	1.532423 721978	-0.368941 590809
1.0	1.6	1.603415 007806	-0.413159 193157
1.0	1.7	1.669094 779415	-0.458592 614743
1.0	1.8	1.729341 436489	-0.504980 371398
1.0	1.9	1.784065 514207	-0.552057 854091
1.0	2.0	1.833209 921507	-0.599559 164088
1.0	2.1	1.876749 951540	-0.647218 946309
1.0	2.2	1.914693 065530	-0.694774 206977
1.0	2.3	1.947078 453088	-0.741966 101754
1.0	2.4	1.973976 373642	-0.788541 680959
1.0	2.5	1.995487 265382	-0.834255 578764
1.0	2.6	2.011740 769698	-0.878871 633831
1.0	2.7	2.022894 260587	-0.922164 429405
1.0	2.8	2.029131 590004	-0.963920 741624
1.0	2.9	2.030661 361494	-1.003940 885531
1.0	3.0	2.027715 165645	-1.042039 949209
1.0	3.1	2.020545 652062	-1.078048 907306

Table II

y	x	Re Si(x+jy)	Im Si(x+jy)
1.1	0.0	0.000000 000000	0.000000 000000
1.1	0.1	0.121345 300648	-0.002063 916006
1.1	0.2	0.242228 007855	-0.008243 018397
1.1	0.3	0.362188 455332	-0.018499 461646
1.1	0.4	0.480772 809607	-0.032770 473636
1.1	0.5	0.597535 932817	-0.050968 808784
1.1	0.6	0.712044 181655	-0.072983 377471
1.1	0.7	0.823878 121967	-0.098680 046814
1.1	0.8	0.932635 139173	-0.127902 606527
1.1	0.9	1.037931 925508	-0.160473 892338
1.1	1.0	1.139406 826037	-0.196197 058169
1.1	1.1	1.236722 026539	-0.234856 987167
1.1	1.2	1.329565 567602	-0.276221 830597
1.1	1.3	1.417653 170576	-0.320044 662585
1.1	1.4	1.500729 862624	-0.366065 237902
1.1	1.5	1.578571 389575	-0.414011 839113
1.1	1.6	1.650985 407022	-0.463603 198820
1.1	1.7	1.717812 441823	-0.514550 482088
1.1	1.8	1.778926 617919	-0.566559 313871
1.1	1.9	1.834236 142292	-0.619331 835757
1.1	2.0	1.883683 548687	-0.672568 776297
1.1	2.1	1.927245 698589	-0.725971 519143
1.1	2.2	1.964933 540936	-0.779244 153206
1.1	2.3	1.996791 633730	-0.832095 489321
1.1	2.4	2.022897 432652	-0.884241 028236
1.1	2.5	2.043360 353555	-0.935404 865116
1.1	2.6	2.058320 617354	-0.985321 516438
1.1	2.7	2.067947 887542	-1.033737 655725
1.1	2.8	2.072439 712071	-1.080413 745443
1.1	2.9	2.072019 782790	-1.125125 553177
1.1	3.0	2.066936 026964	-1.167665 541278
1.1	3.1	2.057458 546631	-1.207844 120180

Table II

y	x	Re Si(x+jy)	Im Si(x+jy)
1.2	0.0	0.000000 000000	0.000000 000000
1.2	0.1	0.125706 781212	-0.002302 031921
1.2	0.2	0.250924 197135	-0.009193 969150
1.2	0.3	0.375166 003215	-0.020633 438595
1.2	0.4	0.497952 173330	-0.036550 159238
1.2	0.5	0.618811 951634	-0.056846 450557
1.2	0.6	0.737286 836022	-0.081397 938678
1.2	0.7	0.852933 471341	-0.110054 454818
1.2	0.8	0.965326 431041	-0.142641 118913
1.2	0.9	1.074060 867006	-0.178959 599957
1.2	1.0	1.178755 008225	-0.218789 543228
1.2	1.1	1.279052 490220	-0.261890 153241
1.2	1.2	1.374624 498455	-0.308001 920049
1.2	1.3	1.465171 710457	-0.356848 475482
1.2	1.4	1.550426 022914	-0.408138 564835
1.2	1.5	1.630152 051772	-0.461568 118727
1.2	1.6	1.704148 395072	-0.516822 409042
1.2	1.7	1.772248 650179	-0.573578 272273
1.2	1.8	1.834322 178947	-0.631506 383106
1.2	1.9	1.890274 616373	-0.690273 560753
1.2	2.0	1.940048 120215	-0.749545 090311
1.2	2.1	1.983621 361179	-0.808987 041403
1.2	2.2	2.021009 255130	-0.868268 566421
1.2	2.3	2.052262 440986	-0.927064 160957
1.2	2.4	2.077466 509630	-0.985055 869273
1.2	2.5	2.096740 991370	-1.041935 418395
1.2	2.6	2.110238 111101	-1.097406 264752
1.2	2.7	2.118141 322140	-1.151185 538291
1.2	2.8	2.120663 631420	-1.203005 869798
1.2	2.9	2.118045 730191	-1.252617 088130
1.2	3.0	2.110553 945856	-1.299787 775157
1.2	3.1	2.098478 031834	-1.344306 667519

Table II

y	x	Re Si(x+jy)	Im Si(x+jy)
1.3	0.0	0.000000 000000	0.000000 000000
1.3	0.1	0.130558 147827	-0.002554 323463
1.3	0.2	0.260597 033946	-0.010201 519797
1.3	0.3	0.389600 734008	-0.022894 381296
1.3	0.4	0.517059 973670	-0.040554 608982
1.3	0.5	0.642475 391952	-0.063073 380267
1.3	0.6	0.765360 731233	-0.090312 137441
1.3	0.7	0.885245 930281	-0.122103 590786
1.3	0.8	1.001680 097533	-0.158252 928448
1.3	0.9	1.114234 342841	-0.198539 223610
1.3	1.0	1.222504 446897	-0.242717 027905
1.3	1.1	1.326113 348984	-0.290518 138648
1.3	1.2	1.424713 435053	-0.341653 526051
1.3	1.3	1.517988 609689	-0.395815 405383
1.3	1.4	1.605656 137314	-0.452679 437940
1.3	1.5	1.687468 239757	-0.511907 043664
1.3	1.6	1.763213 439202	-0.573147 807520
1.3	1.7	1.832717 637597	-0.636041 960904
1.3	1.8	1.895844 925667	-0.700222 918962
1.3	1.9	1.952498 116696	-0.765319 854202
1.3	2.0	2.002619 002568	-0.830960 286685
1.3	2.1	2.046188 331537	-0.896772 670839
1.3	2.2	2.083225 509474	-0.962388 959284
1.3	2.3	2.113788 028489	-1.027447 124071
1.3	2.4	2.137970 628761	-1.091593 616298
1.3	2.5	2.155904 201740	-1.154485 745656
1.3	2.6	2.167754 444552	-1.215793 962014
1.3	2.7	2.173720 277524	-1.275204 022227
1.3	2.8	2.174032 038474	-1.332419 026151
1.3	2.9	2.168949 469044	-1.387161 307097
1.3	3.0	2.158759 509898	-1.439174 163102
1.3	3.1	2.143773 923052	-1.488223 416820

Table II

y	x	Re Si(x+jy)	Im Si(x+jy)
1.4	0.0	0.000000 000000	0.000000 000000
1.4	0.1	0.135929 333063	-0.002822 408145
1.4	0.2	0.271306 166513	-0.011272 128433
1.4	0.3	0.405581 579480	-0.025296 775702
1.4	0.4	0.538213 781978	-0.044809 464598
1.4	0.5	0.668671 613999	-0.069689 440965
1.4	0.6	0.796437 965562	-0.099782 958823
1.4	0.7	0.921013 092424	-0.134904 396056
1.4	0.8	1.041917 802837	-0.174837 600028
1.4	0.9	1.158696 491919	-0.219337 452594
1.4	1.0	1.270920 001318	-0.268131 642215
1.4	1.1	1.378188 283293	-0.320922 629285
1.4	1.2	1.480132 849838	-0.377389 789317
1.4	1.3	1.576418 989244	-0.437191 717203
1.4	1.4	1.666747 734290	-0 499968 674589
1.4	1.5	1.750857 568230	-0.565345 161291
1.4	1.6	1.828525 856826	-0.632932 590719
1.4	1.7	1.899569 996835	-0.702332 048600
1.4	1.8	1.963848 273594	-0.773137 113608
1.4	1.9	2.021260 422597	-0.844936 718087
1.4	2.0	2.071747 892351	-0.917318 026892
1.4	2.1	2.115293 808045	-0.989869 312228
1.4	2.2	2.151922 637963	-1.062182 802510
1.4	2.3	2.181699 566854	-1.133857 483523
1.4	2.4	2.204729 582715	-1.204501 830724
1.4	2.5	2.221156 285689	-1.273736 452016
1.4	2.6	2.231160 429873	-1.341196 621273
1.4	2.7	2.234958 210881	-1.406534 683756
1.4	2.8	2.232799 313893	-1.469422 315674
1.4	2.9	2.224964 738767	-1.529552 621464
1.4	3.0	2.211764 420374	-1.586642 053661
1.4	3.1	2.193534 663864	-1.640432 141724

Table II

y	x	Re Si(x+jy)	Im Si(x+jy)
1.5	0.0	0.000000 000000	-0.000000 000001
1.5	0.1	0.141853 615117	-0.003108 018221
1.5	0.2	0.283117 909519	-0.012412 711182
1.5	0.3	0.423207 409275	-0.027856 134941
1.5	0.4	0.561544 305345	-0.049342 185559
1.5	0.5	0.697562 214372	-0.076737 299177
1.5	0.6	0.830709 854249	-0.109871 424404
1.5	0.7	0.960454 607023	-0.148539 259334
1.5	0.8	1.086285 942670	-0.192501 743493
1.5	0.9	1.207718 678426	-0.241487 792989
1.5	1.0	1.324296 049596	-0.295196 265203
1.5	1.1	1.435592 569326	-0.353298 137636
1.5	1.2	1.541216 656466	-0.415438 883829
1.5	1.3	1.640813 012522	-0.481241 027744
1.5	1.4	1.734064 730678	-0.550306 856641
1.5	1.5	1.820695 121971	-0.622221 271277
1.5	1.6	1.900469 246029	-0.696554 751253
1.5	1.7	1.973195 135996	-0.772866 412375
1.5	1.8	2.038724 709765	-0.850707 132413
1.5	1.9	2.096954 362133	-0.929622 721016
1.5	2.0	2.147825 234863	-1.009157 109352
1.5	2.1	2.191323 164375	-1.088855 534920
1.5	2.2	2.227478 309084	-1.168267 697198
1.5	2.3	2.256364 461041	-1.246950 860005
1.5	2.4	2.278098 048957	-1.324472 877043
1.5	2.5	2.292836 842006	-1.400415 117784
1.5	2.6	2.300778 366168	-1.474375 271744
1.5	2.7	2.302158 047038	-1.545970 010248
1.5	2.8	2.297247 095098	-1.614837 486077
1.5	2.9	2.286350 151367	-1.680639 652666
1.5	3.0	2.269802 713161	-1.743064 386182
1.5	3.1	2.247968 361257	-1.801827 395352

Table II

y	x	Re Si(x+jy)	Im Si(x+jy)
1.6	0.0	0.000000 000000	0.000000 000000
1.6	0.1	0.148367 859826	-0.003413 013534
1.6	0.2	0.296105 726235	-0.013630 693585
1.6	0.3	0.442587 749420	-0.030589 114608
1.6	0.4	0.587196 335763	-0.054182 253079
1.6	0.5	0.729326 198453	-0.084262 761787
1.6	0.6	0.868388 315936	-0.120643 045271
1.6	0.7	1.003813 768535	-0.163096 627934
1.6	0.8	1.135057 424610	-0.211359 804059
1.6	0.9	1.261601 448940	-0.265133 556725
1.6	1.0	1.382958 607242	-0.324085 730529
1.6	1.1	1.498675 342509	-0.387853 441069
1.6	1.2	1.608334 600657	-0.456045 702199
1.6	1.3	1.711558 384904	-0.528246 250533
1.6	1.4	1.808010 020530	-0.604016 545037
1.6	1.5	1.897396 113922	-0.682898 918250
1.6	1.6	1.979468 192332	-0.764419 854591
1.6	1.7	2.054024 013121	-0.848093 370174
1.6	1.8	2.120908 534144	-0.933424 467878
1.6	1.9	2.180014 539317	-1.019912 640936
1.6	2.0	2.231282 916370	-1.107055 397905
1.6	2.1	2.274702 586373	-1.194351 781936
1.6	2.2	2.310310 087385	-1.281305 857286
1.6	2.3	2.338188 817339	-1.367430 136442
1.6	2.4	2.358467 943809	-1.452248 921808
1.6	2.5	2.371320 990976	-1.535301 536666
1.6	2.6	2.376964 116564	-1.616145 421105
1.6	2.7	2.375654 093881	-1.694359 069855
1.6	2.8	2.367686 016335	-1.769544 790256
1.6	2.9	2.353390 743912	-1.841331 260157
1.6	3.0	2.333132 113002	-1.909375 867299
1.6	3.1	2.307303 932677	-1.973366 813459

Table II

y	x	Re Si(x+jy)	Im Si(x+jy)
1.7	0.0	0.000000 000000	0.000000 000000
1.7	0.1	0.155512 789423	-0.003739 395441
1.7	0.2	0.310350 763920	-0.014934 066070
1.7	0.3	0.463843 580116	-0.033513 637094
1.7	0.4	0.615329 804095	-0.059361 390107
1.7	0.5	0.764161 282232	-0.092315 117685
1.7	0.6	0.909707 412137	-0.132168 310384
1.7	0.7	1.051359 281637	-0.178671 666742
1.7	0.8	1.188533 644798	-0.231534 914351
1.7	0.9	1.320676 705344	-0.290428 927682
1.7	1.0	1.447267 679288	-0.354988 125942
1.7	1.1	1.567822 110417	-0.424813 132096
1.7	1.2	1.681894 914260	-0.499473 672130
1.7	1.3	1.789083 128316	-0.578511 691814
1.7	1.4	1.889028 348609	-0.661444 666470
1.7	1.5	1.981418 835312	-0.747769 077873
1.7	1.6	2.065991 272581	-0.836964 031066
1.7	1.7	2.142532 170702	-0.928494 982910
1.7	1.8	2.210878 901360	-1.021817 553308
1.7	1.9	2.270920 359800	-1.116381 389542
1.7	2.0	2.322597 250582	-1.211634 053824
1.7	2.1	2.365901 996602	-1.307024 903981
1.7	2.2	2.400878 273997	-1.402008 937567
1.7	2.3	2.427620 178516	-1.496050 569834
1.7	2.4	2.446271 031761	-1.588627 316882
1.7	2.5	2.457021 838509	-1.679233 356001
1.7	2.6	2.460109 409096	-1.767382 936415
1.7	2.7	2.455814 163265	-1.852613 614912
1.7	2.8	2.444457 634448	-1.934489 292384
1.7	2.9	2.426399 695646	-2.012603 028956
1.7	3.0	2.402035 530140	-2.086579 617338
1.7	3.1	2.371792 372195	-2.156077 896002

Table II

y	x	Re Si(x+jy)	Im Si(x+jy)
1.8	0.0	0.000000 000000	0.000000 000000
1.8	0.1	0.163333 280143	-0.004089 321792
1.8	0.2	0.325942 446680	-0.016331 443818
1.8	0.3	0.487108 219188	-0.036649 025882
1.8	0.4	0.646120 947146	-0.064913 798946
1.8	0.5	0.802285 333813	-0.100947 506833
1.8	0.6	0.954925 051814	-0.144523 214129
1.8	0.7	1.103387 215492	-0.195366 970020
1.8	0.8	1.247046 676521	-0.253159 814809
1.8	0.9	1.385310 110537	-0.317540 113352
1.8	1.0	1.517619 864279	-0.388106 196951
1.8	1.1	1.643457 534654	-0.464419 292863
1.8	1.2	1.762347 253289	-0.546006 718387
1.8	1.3	1.873858 652456	-0.632365 314333
1.8	1.4	1.977609 490899	-0.722965 090960
1.8	1.5	2.073267 920700	-0.817253 057735
1.8	1.6	2.160554 379259	-0.914657 206954
1.8	1.7	2.239243 093477	-1.014590 620042
1.8	1.8	2.309163 186159	-1.116455 664598
1.8	1.9	2.370199 378067	-1.219648 249432
1.8	2.0	2.422292 282016	-1.323562 104688
1.8	2.1	2.465438 288736	-1.427593 053892
1.8	2.2	2.499689 047495	-1.531143 245088
1.8	2.3	2.525150 547488	-1.633625 308501
1.8	2.4	2.541981 809320	-1.734466 409106
1.8	2.5	2.550393 198771	-1.833112 163208
1.8	2.6	2.550644 378071	-1.929030 389513
1.8	2.7	2.543041 912658	-2.021714 666629
1.8	2.8	2.527936 553997	-2.110687 670451
1.8	2.9	2.505720 221570	-2.195504 266961
1.8	3.0	2.476822 709326	-2.275754 337970
1.8	3.1	2.441708 143938	-2.351065 319498

Table II

y	x	Re Si(x+jy)	Im Si(x+jy)
1.9	0.0	0.000000 000000	0.000000 000000
1.9	0.1	0.171878 691025	-0.004465 123169
1.9	0.2	0.342979 130466	-0.017832 131583
1.9	0.3	0.512528 298140	-0.040016 150875
1.9	0.4	0.679763 597019	-0.070876 418451
1.9	0.5	0.843937 965931	-0.110217 319718
1.9	0.6	1.004324 874511	-0.157789 827300
1.9	0.7	1.160223 162652	-0.213293 331836
1.9	0.8	1.310961 687902	-0.276377 849842
1.9	0.9	1.455903 745892	-0.346646 591192
1.9	1.0	1.594451 230616	-0.423658 865910
1.9	1.1	1.726048 503542	-0.506933 307289
1.9	1.2	1.850185 942848	-0.595951 385944
1.9	1.3	1.966403 146640	-0.690161 187021
1.9	1.4	2.074291 766844	-0.788981 420948
1.9	1.5	2.173497 953295	-0.891805 636088
1.9	1.6	2.263724 390857	-0.998006 600300
1.9	1.7	2.344731 915457	-1.106940 817141
1.9	1.8	2.416340 698426	-1.217953 141316
1.9	1.9	2.478430 991894	-1.330381 457533
1.9	2.0	2.530943 431530	-1.443561 386315
1.9	2.1	2.573878 896339	-1.556830 980366
1.9	2.2	2.607297 928827	-1.669535 375216
1.9	2.3	2.631319 722234	-1.781031 358393
1.9	2.4	2.646120 684922	-1.890691 822221
1.9	2.5	2.651932 595392	-1.997910 066227
1.9	2.6	2.649040 364470	-2.102103 916744
1.9	2.7	2.637779 424297	-2.202719 632673
1.9	2.8	2.618532 766619	-2.299235 568368
1.9	2.9	2.591727 655526	-2.391165 566587
1.9	3.0	2.557832 042224	-2.478062 056837
1.9	3.1	2.517350 711657	-2.559518 836859

Table II

y	x	Re Si(x+jy)	Im Si(x+jy)
2.0	0.0	0.000000 000000	0.000000 000000
2.0	0.1	0.181203 226502	-0.004869 320498
2.0	0.2	0.361568 825406	-0.019446 193977
2.0	0.3	0.540264 838465	-0.043637 586027
2.0	0.4	0.716470 602991	-0.077289 202894
2.0	0.5	0.889382 292097	-0.120186 630451
2.0	0.6	1.058218 326911	-0.172056 916145
2.0	0.7	1.222224 619619	-0.232570 581288
2.0	0.8	1.380679 607700	-0.301344 047737
2.0	0.9	1.532899 041320	-0.377942 459767
2.0	1.0	1.678240 487827	-0.461882 878754
2.0	1.1	1.816107 519650	-0.552637 825366
2.0	1.2	1.945953 554392	-0.649639 141316
2.0	1.3	2.067285 318729	-0.752282 140133
2.0	1.4	2.179665 910749	-0.859930 014220
2.0	1.5	2.282717 438633	-0.971918 463526
2.0	1.6	2.376123 216860	-1.087560 509441
2.0	1.7	2.459629 504851	-1.206151 456135
2.0	1.8	2.533046 776434	-1.326973 960541
2.0	1.9	2.596250 512342	-1.449303 171351
2.0	2.0	2.649181 511830	-1.572411 897065
2.0	2.1	2.691845 723143	-1.695575 762933
2.0	2.2	2.724313 596493	-1.818078 316966
2.0	2.3	2.746718 966979	-1.939216 045581
2.0	2.4	2.759257 478506	-2.058303 260557
2.0	2.5	2.762184 563384	-2.174676 819914
2.0	2.6	2.755812 995779	-2.287700 646965
2.0	2.7	2.740510 040452	-2.396770 013536
2.0	2.8	2.716694 221300	-2.501315 555352
2.0	2.9	2.684831 737226	-2.600806 989892
2.0	3.0	2.645432 555363	-2.694756 509627
2.0	3.1	2.599046 214253	-2.782721 826147

Table II

y	x	Re Si(x+jy)	Im Si(x+jy)
2.1	0.0	0.000000 000000	-0.000000 000000
2.1	0.1	0.191366 335672	-0.005304 644158
2.1	0.2	0.381829 991181	-0.021184 531764
2.1	0.3	0.570494 436859	-0.047537 780431
2.1	0.4	0.756475 397083	-0.084195 424708
2.1	0.5	0.938906 860213	-0.130922 666930
2.1	0.6	1.116946 949168	-0.187420 614415
2.1	0.7	1.289783 607858	-0.253328 489234
2.1	0.8	1.456640 060300	-0.328226 293003
2.1	0.9	1.616780 001050	-0.411637 905493
2.1	1.0	1.769512 477716	-0.503034 592540
2.1	1.1	1.914196 428856	-0.601838 895371
2.1	1.2	2.050244 843366	-0.707428 870577
2.1	1.3	2.177128 510449	-0.819142 647187
2.1	1.4	2.294379 332579	-0.936283 264847
2.1	1.5	2.401593 177493	-1.058123 754905
2.1	1.6	2.498432 248763	-1.183912 424441
2.1	1.7	2.584626 958530	-1.312878 301678
2.1	1.8	2.659977 289914	-1.444236 700074
2.1	1.9	2.724353 640651	-1.577194 857581
2.1	2.0	2.777697 143714	-1.710957 607061
2.1	2.1	2.820019 464823	-1.844733 033771
2.1	2.2	2.851402 080845	-1.977738 076085
2.1	2.3	2.871995 047279	-2.109204 026165
2.1	2.4	2.882015 266975	-2.238381 888398
2.1	2.5	2.881744 276192	-2.364547 554544
2.1	2.6	2.871525 567813	-2.487006 756357
2.1	2.7	2.851761 475232	-2.605099 758254
2.1	2.8	2.822909 643683	-2.718205 754918
2.1	2.9	2.785479 119053	-2.825746 941277
2.1	3.0	2.740026 087026	-2.927192 225009
2.1	3.1	2.687149 298095	-3.022060 554899

Table II

y	x	Re Si(x+jy)	Im Si(x+jy)
2.2	0.0	0.000000 000000	0.000000 000000
2.2	0.1	0.202433 151398	-0.005774 054754
2.2	0.2	0.403892 411722	-0.023058 964809
2.2	0.3	0.603410 568586	-0.051743 244275
2.2	0.4	0.800033 715811	-0.091642 003549
2.2	0.5	0.992827 778993	-0.142498 321905
2.2	0.6	1.180884 889185	-0.203985 153828
2.2	0.7	1.363329 555997	-0.275707 753841
2.2	0.8	1.539324 593021	-0.357206 600568
2.2	0.9	1.708076 750559	-0.447960 796760
2.2	1.0	1.868842 012904	-0.547391 918242
2.2	1.1	2.020930 520225	-0.654868 281214
2.2	1.2	2.163711 078146	-0.769709 594066
2.2	1.3	2.296615 221384	-0.891191 956794
2.2	1.4	2.419140 801449	-1.018553 168499
2.2	1.5	2.530855 072299	-1.150998 300984
2.2	1.6	2.631397 251761	-1.287705 494483
2.2	1.7	2.720480 540908	-1.427831 929905
2.2	1.8	2.797893 587808	-1.570519 930639
2.2	1.9	2.863501 386531	-1.714903 146111
2.2	2.0	2.917245 606961	-1.860112 768747
2.2	2.1	2.959144 355237	-2.005283 735891
2.2	2.2	2.989291 369433	-2.149560 868525
2.2	2.3	3.007854 659417	-2.292104 899317
2.2	2.4	3.015074 604254	-2.432098 343509
2.2	2.5	3.011261 524821	-2.568751 167779
2.2	2.6	2.996792 753332	-2.701306 213783
2.2	2.7	2.972109 225479	-2.829044 335484
2.2	2.8	2.937711 624519	-2.951289 211573
2.2	2.9	2.894156 110096	-3.067411 797424
2.2	3.0	2.842049 667752	-3.176834 383698
2.2	3.1	2.782045 117894	-3.279034 232447

Table II

y	x	Re Si(x+jy)	Im Si(x+jy)
2.3	0.0	0.000000 000000	0.000000 000000
2.3	0.1	0.214474 972740	-0.006280 765737
2.3	0.2	0.427898 156262	-0.025082 322301
2.3	0.3	0.639225 019470	-0.056282 751251
2.3	0.4	0.847425 491739	-0.099679 864382
2.3	0.5	1.051491 054081	-0.154992 709068
2.3	0.6	1.250441 664729	-0.221863 658893
2.3	0.7	1.443332 466031	-0.299861 072895
2.3	0.8	1.629260 221331	-0.388482 502175
2.3	0.9	1.807369 432716	-0.487158 418406
2.3	1.0	1.976858 093097	-0.595256 434447
2.3	1.1	2.136983 029082	-0.712085 983515
2.3	1.2	2.287064 794380	-0.836903 419757
2.3	1.3	2.426492 077143	-0.968917 499660
2.3	1.4	2.554725 588594	-1.107295 200839
2.3	1.5	2.671301 404484	-1.251167 832190
2.3	1.6	2.775833 735275	-1.399637 387040
2.3	1.7	2.868017 105715	-1.551783 089193
2.3	1.8	2.947627 928999	-1.706668 080347
2.3	1.9	3.014525 465790	-1.863346 196355
2.3	2.0	3.068652 163146	-2.020868 779244
2.3	2.1	3.110033 373453	-2.178291 471794
2.3	2.2	3.138776 458367	-2.334680 941836
2.3	2.3	3.155069 287661	-2.489121 484093
2.3	2.4	3.159178 147643	-2.640721 448644
2.3	2.5	3.151445 078551	-2.788619 446653
2.3	2.6	3.132284 664694	-2.931990 285975
2.3	2.7	3.102180 305447	-3.070050 591663
2.3	2.8	3.061679 999268	-3.202064 069086
2.3	2.9	3.011391 676528	-3.327346 370482
2.3	3.0	2.951978 120542	-3.445269 529140
2.3	3.1	2.884151 519138	-3.555265 929029

Table II

y	x	Re Si(x+jy)	Im Si(x+jy)
2.4	0.0	0.000000 000000	0.000000 000000
2.4	0.1	0.227569 794547	-0.006828 268014
2.4	0.2	0.454002 634286	-0.027268 541073
2.4	0.3	0.678169 457844	-0.061187 558935
2.4	0.4	0.898956 929883	-0.108364 327449
2.4	0.5	1.115275 152390	-0.168491 768676
2.4	0.6	1.326065 195323	-0.241179 012531
2.4	0.7	1.530306 388699	-0.325954 311644
2.4	0.8	1.727023 320085	-0.422268 556180
2.4	0.9	1.915292 483994	-0.529499 360496
2.4	1.0	2.094248 532386	-0.646955 689085
2.4	1.1	2.263090 078793	-0.773882 984883
2.4	1.2	2.421085 012214	-0.909468 759125
2.4	1.3	2.567575 280852	-1.052848 598274
2.4	1.4	2.701981 110197	-1.203112 540280
2.4	1.5	2.823804 624316	-1.359311 769620
2.4	1.6	2.932632 844333	-1.520465 578050
2.4	1.7	3.028140 042833	-1.685568 536084
2.4	1.8	3.110089 438336	-1.853597 818625
2.4	1.9	3.178334 219148	-2.023520 627047
2.4	2.0	3.232817 891420	-2.194301 649565
2.4	2.1	3.273573 951502	-2.364910 501418
2.4	2.2	3.300724 888237	-2.534329 086929
2.4	2.3	3.314480 526089	-2.701558 826178
2.4	2.4	3.315135 725220	-2.865627 690447
2.4	2.5	3.303067 459772	-3.025596 992266
2.4	2.6	3.278731 300500	-3.180567 878133
2.4	2.7	3.242657 332461	-3.329687 474526
2.4	2.8	3.195445 543010	-3.472154 640956
2.4	2.9	3.137760 719318	-3.607225 287008
2.4	3.0	3.070326 898418	-3.734217 214233
2.4	3.1	2.993921 416198	-3.852514 447636

Table II

y	x	Re Si(x+jy)	Im Si(x+jy)
2.5	0.0	0.000000 000000	0.000000 000000
2.5	0.1	0.241802 888436	-0.007420 356787
2.5	0.2	0.482375 752859	-0.029632 772708
2.5	0.3	0.720497 158982	-0.066491 649012
2.5	0.4	0.954962 785527	-0.117755 533302
2.5	0.5	1.184593 815138	-0.183088 927618
2.5	0.6	1.408245 128091	-0.262064 799441
2.5	0.7	1.624813 235607	-0.354167 775528
2.5	0.8	1.833243 891634	-0.458797 992977
2.5	0.9	2.032539 324691	-0.575275 576745
2.5	1.0	2.221765 034321	-0.702845 707825
2.5	1.1	2.400056 100441	-0.840684 241594
2.5	1.2	2.566622 957632	-0.987903 831491
2.5	1.3	2.720756 590954	-1.143560 509247
2.5	1.4	2.861833 114441	-1.306660 669272
2.5	1.5	2.989317 698523	-1.476168 401661
2.5	1.6	3.102767 817885	-1.651013 115691
2.5	1.7	3.201835 796720	-1.830097 393352
2.5	1.8	3.286270 634124	-2.012305 010910
2.5	1.9	3.355919 098056	-2.196509 065185
2.5	2.0	3.410726 082305	-2.381580 140687
2.5	2.1	3.450734 226716	-2.566394 453529
2.5	2.2	3.476082 806907	-2.749841 908504
2.5	2.3	3.487005 905480	-2.930834 006582
2.5	2.4	3.483829 882517	-3.108311 541525
2.5	2.5	3.466970 168606	-3.281252 026289
2.5	2.6	3.436927 409098	-3.448676 792244
2.5	2.7	3.394282 993301	-3.609657 707117
2.5	2.8	3.339694 007131	-3.763323 460922
2.5	2.9	3.273887 652233	-3.908865 372852
2.5	3.0	3.197655 178639	-4.045542 676075
2.5	3.1	3.111845 381684	-4.172687 242045

Table II

y	x	Re Si(x+jy)	Im Si(x+jy)
2·6	0.0	0.000000 000000	0·000000 000000
2·6	0.1	0·257267 439811	-0·008061 160822
2·6	0.2	0·513203 185588	-0·032191 500377
2·6	0.3	0·766484 895836	-0·072231 989274
2·6	0.4	1·015808 861623	-0·127918 906364
2·6	0.5	1·259899 141976	-0·198885 819295
2·6	0.6	1·497516 483992	-0·284666 335038
2·6	0.7	1·727466 958539	-0·384697 598251
2·6	0.8	1·948610 244890	-0·498324 509474
2·6	0.9	2·159867 500420	-0·624804 629334
2·6	1.0	2·360228 754970	-0·763313 729507
2·6	1.1	2·548759 773265	-0·912951 945967
2·6	1.2	2·724608 333199	-1·072750 485394
2·6	1.3	2·887009 872532	-1·241678 831147
2·6	1.4	3·035292 461672	-1·418652 391344
2·6	1.5	3·168881 065729	-1·602540 528163
2·6	1.6	3·287301 064786	-1·792174 904481
2·6	1.7	3·390181 007354	-1·986358 081665
2·6	1.8	3·477254 578183	-2·183872 300388
2·6	1.9	3·548361 767979	-2·383488 375099
2·6	2.0	3·603449 238974	-2·583974 632060
2·6	2.1	3·642569 886811	-2·784105 820720
2·6	2.2	3·665881 605611	-2·982671 928619
2·6	2.3	3·673645 269540	-3·178486 831075
2·6	2.4	3·666221 950332	-3·370396 708439
2·6	2.5	3·644069 396399	-3·557288 165857
2·6	2.6	3·607737 804931	-3·738095 993139
2·6	2.7	3·557864 924002	-3·911810 505465
2·6	2.8	3·495170 526823	-4·077484 409348
2·6	2.9	3·420450 305353	-4·234239 142297
2·6	3.0	3·334569 234680	-4·381270 639188
2·6	3.1	3·238454 463842	-4·517854 483200

Table II

y	x	Re Si(x+jy)	Im Si(x+jy)
2.7	0.0	0.000000 000000	0.000000 000000
2.7	0.1	0.274065 246005	-0.008755 174403
2.7	0.2	0.546687 763281	-0.034962 666382
2.7	0.3	0.816435 011143	-0.078448 819563
2.7	0.4	1.081894 745738	-0.138925 660824
2.7	0.5	1.341684 970883	-0.215993 069244
2.7	0.6	1.594463 653636	-0.309141 788223
2.7	0.7	1.838938 129244	-0.417757 256483
2.7	0.8	2.073874 122498	-0.541124 227240
2.7	0.9	2.298104 315857	-0.678432 138438
2.7	1.0	2.510536 398306	-0.828781 190949
2.7	1.1	2.710160 533174	-0.991189 086016
2.7	1.2	2.896056 187912	-1.164598 367990
2.7	1.3	3.067398 274055	-1.347884 313604
2.7	1.4	3.223462 551145	-1.539863 304755
2.7	1.5	3.363630 254529	-1.739301 617982
2.7	1.6	3.487391 913088	-1.944924 560621
2.7	1.7	3.594350 329753	-2.155425 881019
2.7	1.8	3.684222 704219	-2.369477 378086
2.7	1.9	3.756841 884432	-2.585738 634137
2.7	2.0	3.812156 740349	-2.802866 794174
2.7	2.1	3.850231 660528	-3.019526 314594
2.7	2.2	3.871245 179322	-3.234398 604783
2.7	2.3	3.875487 749186	-3.446191 486297
2.7	2.4	3.863358 679643	-3.653648 395891
2.7	2.5	3.835362 270998	-3.855557 261153
2.7	2.6	3.792103 177244	-4.050758 980342
2.7	2.7	3.734281 038784	-4.238155 441543
2.7	2.8	3.662684 431173	-4.416717 020228
2.7	2.9	3.578184 181530	-4.585489 498817
2.7	3.0	3.481726 109063	-4.743600 356830
2.7	3.1	3.374323 250559	-4.890264 385413

Table II

y	x	Re Si(x+jy)	Im Si(x+jy)
2·8	0.0	0·000000 000000	0·000000 000000
2·8	0.1	0·292307 481145	-0·009507 292193
2·8	0.2	0·583050 997580	-0·037965 811326
2·8	0.3	0·870677 687542	-0·085185 963897
2·8	0.4	1·153656 808498	-0·150853 352931
2·8	0.5	1·430490 580870	-0·234531 152809
2·8	0.6	1·699724 774625	-0·335663 407193
2·8	0.7	1·959958 956365	-0·453579 223517
2·8	0.8	2·209856 317254	-0·587497 830258
2·8	0.9	2·448153 005684	-0·736534 456335
2·8	1.0	2·673666 892437	-0·899706 985363
2·8	1.1	2·885305 701028	-1·075943 331316
2·8	1.2	3·082074 440817	-1·264089 476425
2·8	1.3	3·263082 086459	-1·462918 106865
2·8	1.4	3·427547 453215	-1·671137 777146
2·8	1.5	3·574804 224346	-1·887402 529883
2·8	1.6	3·704305 093653	-2·110321 894214
2·8	1.7	3·815624 993479	-2·338471 183197
2·8	1.8	3·908463 385907	-2·570402 008308
2·8	1.9	3·982645 602485	-2·804652 927606
2·8	2.0	4·038123 225531	-3·039760 143367
2·8	2.1	4·074973 511832	-3·274268 164724
2·8	2.2	4·093397 867211	-3·506740 351476
2·8	2.3	4·093719 388141	-3·735769 256467
2·8	2.4	4·076379 493989	-3·959986 685817
2·8	2.5	4·041933 680793	-4·178073 398882
2·8	2.6	3·991046 434377	-4·388768 373054
2·8	2.7	3·924485 347330	-4·590877 562356
2·8	2.8	3·843114 490560	-4·783282 083043
2·8	2.9	3·747887 095985	-4·964945 764651
2·8	3.0	3·639837 612244	-5·134922 010021
2·8	3.1	3·520073 200044	-5·292359 913951

Table II

y	x	Re Si(x+jy)	Im Si(x+jy)
2.9	0.0	0.000000 000000	0.000000 000000
2.9	0.1	0.312115 533900	-0.010322 847329
2.9	0.2	0.622534 749703	-0.041222 226203
2.9	0.3	0.929573 433917	-0.092491 171472
2.9	0.4	1.231571 487542	-0.163786 484301
2.9	0.5	1.526904 747239	-0.254631 331989
2.9	0.6	1.813996 525512	-0.364418 858360
2.9	0.7	2.091328 779648	-0.492416 775483
2.9	0.8	2.357452 822535	-0.637772 899815
2.9	0.9	2.610999 492022	-0.799521 588076
2.9	1.0	2.850688 700012	-0.976591 021091
2.9	1.1	3.075338 287602	-1.167811 276911
2.9	1.2	3.283872 118227	-1.371923 128406
2.9	1.3	3.475327 347031	-1.587587 494601
2.9	1.4	3.648860 811437	-1.813395 470014
2.9	1.5	3.803754 495137	-2.047878 851630
2.9	1.6	3.939420 025120	-2.289521 079331
2.9	1.7	4.055402 169505	-2.536768 502469
2.9	1.8	4.151381 311881	-2.788041 882843
2.9	1.9	4.227174 886208	-3.041748 042557
2.9	2.0	4.282737 764917	-3.296291 564509
2.9	2.1	4.318161 601127	-3.550086 452980
2.9	2.2	4.333673 134472	-3.801567 662325
2.9	2.3	4.329631 478337	-4.049202 403423
2.9	2.4	4.306524 414489	-4.291501 139283
2.9	2.5	4.264963 729005	-4.527028 184362
2.9	2.6	4.205679 631026	-4.754411 825510
2.9	2.7	4.129514 303213	-4.972353 886699
2.9	2.8	4.037414 639452	-5.179638 664608
2.9	2.9	3.930424 231902	-5.375141 167403
2.9	3.0	3.809674 675086	-5.557834 595226
2.9	3.1	3.676376 260170	-5.726797 007144

Table II

y	x	Re Si(x+jy)	Im Si(x+jy)
3.0	0.0	0.000000 000000	0.000000 000000
3.0	0.1	0.333621 924817	-0.011207 653065
3.0	0.2	0.665403 057738	-0.044755 118574
3.0	0.3	0.993515 807992	-0.100416 489272
3.0	0.4	1.316158 883464	-0.177817 161117
3.0	0.5	1.631570 181915	-0.276436 679128
3.0	0.6	1.938039 374863	-0.395612 689342
3.0	0.7	2.233920 085593	-0.534545 964897
3.0	0.8	2.517641 566203	-0.692306 465692
3.0	0.9	2.787719 782591	-0.867840 382655
3.0	1.0	3.042767 821290	-1.059978 109826
3.0	1.1	3.281505 537539	-1.267443 079981
3.0	1.2	3.502768 370286	-1.488861 392621
3.0	1.3	3.705515 256598	-1.722772 156891
3.0	1.4	3.888835 585396	-1.967638 466295
3.0	1.5	4.051955 138307	-2.221858 917166
3.0	1.6	4.194240 973668	-2.483779 578573
3.0	1.7	4.315205 218401	-2.751706 317969
3.0	1.8	4.414507 741408	-3.023917 384153
3.0	1.9	4.491957 691162	-3.298676 147353
3.0	2.0	4.547513 889560	-3.574243 895212
3.0	2.1	4.581284 083193	-3.848892 583279
3.0	2.2	4.593523 062606	-4.120917 439337
3.0	2.3	4.584629 669141	-4.388649 322363
3.0	2.4	4.555142 717964	-4.650466 739261
3.0	2.5	4.505735 874562	-4.904807 425666
3.0	2.6	4.437211 530265	-5.150179 400945
3.0	2.7	4.350493 730410	-5.385171 412208
3.0	2.8	4.246620 216172	-5.608462 687441
3.0	2.9	4.126733 647993	-5.818831 923793
3.0	3.0	3.992072 085001	-6.015165 443675
3.0	3.1	3.843958 800412	-6.196464 458353

Table II

y	x	Re Si(x+jy)	Im Si(x+jy)
3.1	0.0	0.000000 000000	0.000000 000000
3.1	0.1	0.356971 310697	-0.012168 048251
3.1	0.2	0.711944 137294	-0.048589 794160
3.1	0.3	1.062934 397047	-0.109018 669284
3.1	0.4	1.407986 696657	-0.193045 814670
3.1	0.5	1.745188 394663	-0.300103 195780
3.1	0.6	2.072683 327696	-0.429467 927995
3.1	0.7	2.388685 092827	-0.580267 777718
3.1	0.8	2.691489 781971	-0.751487 794516
3.1	0.9	2.979488 068809	-0.941978 020718
3.1	1.0	3.251176 554017	-1.150462 216094
3.1	1.1	3.505168 280721	-1.375547 527213
3.1	1.2	3.740202 338940	-1.615735 023428
3.1	1.3	3.955152 485194	-1.869431 014574
3.1	1.4	4.149034 711735	-2.134959 059288
3.1	1.5	4.321013 708239	-2.410572 567349
3.1	1.6	4.470408 168102	-2.694467 894963
3.1	1.7	4.596694 900777	-2.984797 827981
3.1	1.8	4.699511 721534	-3.279685 345228
3.1	1.9	4.778659 099746	-3.577237 552161
3.1	2.0	4.834100 557236	-3.875559 673851
3.1	2.1	4.865961 818097	-4.172768 996255
3.1	2.2	4.874528 721707	-4.467008 645450
3.1	2.3	4.860243 920546	-4.756461 096130
3.1	2.4	4.823702 394327	-5.039361 303308
3.1	2.5	4.765645 821344	-5.314009 354560
3.1	2.6	4.686955 857127	-5.578782 544430
3.1	2.7	4.588646 379237	-5.832146 777709
3.1	2.8	4.471854 765074	-6.072667 214144
3.1	2.9	4.337832 277343	-6.299018 073710
3.1	3.0	4.187933 638556	-6.509991 528684
3.1	3.1	4.023605 882429	-6.704505 616679

Table III

y	x	Cia(x,y)	Sia(x,y)
0.0	0.1	-1.727868 386656	0.099944 461108
0.0	0.2	-1.042205 595672	0.199556 088526
0.0	0.3	-0.649172 932970	0.298504 043807
0.0	0.4	-0.378809 346424	0.396461 464751
0.0	0.5	-0.177784 078805	0.493107 418043
0.0	0.6	-0.022270 706958	0.588128 809609
0.0	0.7	0.100514 707010	0.681222 239116
0.0	0.8	0.198278 615954	0.772095 785482
0.0	0.9	0.276067 830469	0.860470 710745
0.0	1.0	0.337403 922902	0.946083 070367
0.0	1.1	0.384873 377425	1.028685 218675
0.0	1.2	0.420459 182893	1.108047 199013
0.0	1.3	0.445738 567529	1.183958 009076
0.0	1.4	0.462006 585096	1.256226 732779
0.0	1.5	0.470356 317196	1.324683 531172
0.0	1.6	0.471732 516933	1.389180 485869
0.0	1.7	0.466968 364179	1.449592 289683
0.0	1.8	0.456811 129418	1.505816 780256
0.0	1.9	0.441940 349682	1.557775 313749
0.0	2.0	0.422980 828775	1.605412 976803
0.0	2.1	0.400511 987843	1.648698 636244
0.0	2.2	0.375074 599050	1.687624 827242
0.0	2.3	0.347175 617541	1.722207 481807
0.0	2.4	0.317291 617436	1.752485 500763
0.0	2.5	0.285871 196365	1.778520 173443
0.0	2.6	0.253336 616064	1.800394 450527
0.0	2.7	0.220084 878634	1.818212 076472
0.0	2.8	0.186488 389645	1.832096 589081
0.0	2.9	0.152895 324158	1.842190 194647
0.0	3.0	0.119629 786009	1.848652 527999
0.0	3.1	0.086991 831196	1.851659 307674

Table III

y	x	Cia(x,y)	Sia(x,y)
0.1	0.0	-1.741512 150628	0.000000 000000
0.1	0.1	-1.395705 290102	0.021440 401847
0.1	0.2	-0.942757 924213	0.088989 877569
0.1	0.3	-0.606892 864445	0.173890 689006
0.1	0.4	-0.357584 075906	0.264323 844199
0.1	0.5	-0.166216 297745	0.356368 616166
0.1	0.6	-0.015753 699211	0.448324 182337
0.1	0.7	0.104160 260031	0.539251 829389
0.1	0.8	0.200200 688311	0.628530 361914
0.1	0.9	0.276919 586523	0.715694 049795
0.1	1.0	0.337578 814178	0.800365 101145
0.1	1.1	0.384618 813490	0.882222 662698
0.1	1.2	0.419935 867083	0.960987 585415
0.1	1.3	0.445053 426604	1.036414 594044
0.1	1.4	0.461231 982528	1.108288 160271
0.1	1.5	0.469541 740039	1.176420 310366
0.1	1.6	0.470911 938711	1.240649 465449
0.1	1.7	0.466165 024790	1.300839 828941
0.1	1.8	0.456040 719371	1.356881 047655
0.1	1.9	0.441213 179473	1.408687 986409
0.1	2.0	0.422303 336101	1.456200 519383
0.1	2.1	0.399887 802932	1.499383 278716
0.1	2.2	0.374505 309129	1.538225 323216
0.1	2.3	0.346661 322766	1.572739 704387
0.1	2.4	0.316831 339897	1.602962 916334
0.1	2.5	0.285463 184078	1.628954 222603
0.1	2.6	0.252978 570908	1.650794 857444
0.1	2.7	0.219774 128504	1.668587 102550
0.1	2.8	0.186222 019251	1.682453 242765
0.1	2.9	0.152670 274846	1.692534 406391
0.1	3.0	0.119442 932148	1.698989 297327
0.1	3.1	0.086840 038714	1.701992 827658

Table III

y	x	Cia(x,y)	Sia(x,y)
0.2	0.0	-1.083074 705956	0.000000 000000
0.2	0.1	-0.971771 348369	0.007263 394993
0.2	0.2	-0.739563 211858	0.042762 275217
0.2	0.3	-0.504412 098059	0.102633 289054
0.2	0.4	-0.302075 086661	0.176217 471125
0.2	0.5	-0.134758 143706	0.256785 351446
0.2	0.6	0.002361 191924	0.340635 034615
0.2	0.7	0.114418 719563	0.425634 253826
0.2	0.8	0.205636 773201	0.510448 541173
0.2	0.9	0.279315 137453	0.594170 653507
0.2	1.0	0.338030 824085	0.676138 418321
0.2	1.1	0.383827 976082	0.755840 861632
0.2	1.2	0.418362 646598	0.832867 448629
0.2	1.3	0.443006 951979	0.906879 433332
0.2	1.4	0.458922 940741	0.977593 081506
0.2	1.5	0.467115 041736	1.044769 530641
0.2	1.6	0.468467 546876	1.108208 483669
0.2	1.7	0.463771 608186	1.167744 172010
0.2	1.8	0.453744 820746	1.223242 682077
0.2	1.9	0.439045 503245	1.274600 103089
0.2	2.0	0.420283 141354	1.321741 162491
0.2	2.1	0.398026 023344	1.364618 138393
0.2	2.2	0.372806 801072	1.403209 913668
0.2	2.3	0.345126 506063	1.437521 083601
0.2	2.4	0.315457 408841	1.467581 059290
0.2	2.5	0.284245 010127	1.493443 129310
0.2	2.6	0.251909 381232	1.515183 455779
0.2	2.7	0.218846 019729	1.532899 990585
0.2	2.8	0.185426 348661	1.546711 304319
0.2	2.9	0.151997 959570	1.556755 325559
0.2	3.0	0.118884 678571	1.563187 991781
0.2	3.1	0.086386 518587	1.566181 816101

Table III

y	x	Cia(x,y)	Sia(x,y)
0.3	0.0	-0.723378 986897	0.000000 000000
0.3	0.1	-0.670828 046229	0.003471 401845
0.3	0.2	-0.541239 072709	0.023508 888962
0.3	0.3	-0.383677 062346	0.063847 902261
0.3	0.4	-0.229427 669508	0.120092 313012
0.3	0.5	-0.091001 259995	0.186839 381302
0.3	0.6	0.028490 993926	0.259966 305284
0.3	0.7	0.129527 954262	0.336642 661796
0.3	0.8	0.213706 144295	0.414936 382470
0.3	0.9	0.282821 160158	0.493491 259591
0.3	1.0	0.338561 142806	0.571318 869692
0.3	1.1	0.382427 029744	0.647671 648311
0.3	1.2	0.415732 180415	0.721965 834132
0.3	1.3	0.439626 225053	0.793734 069474
0.3	1.4	0.455123 072047	0.862595 672451
0.3	1.5	0.463126 321893	0.928237 591662
0.3	1.6	0.464450 330950	0.990401 935420
0.3	1.7	0.459836 958439	1.048877 618387
0.3	1.8	0.449968 588111	1.103494 625034
0.3	1.9	0.435478 112095	1.154119 953464
0.3	2.0	0.416956 501900	1.200654 643050
0.3	2.1	0.394958 487556	1.243031 498412
0.3	2.2	0.370006 763100	1.281213 253963
0.3	2.3	0.342595 048836	1.315191 007736
0.3	2.4	0.313190 269938	1.344982 808711
0.3	2.5	0.282234 055418	1.370632 319031
0.3	2.6	0.250143 718347	1.392207 497853
0.3	2.7	0.217312 845047	1.409799 271238
0.3	2.8	0.184111 595083	1.423520 165083
0.3	2.9	0.150886 793983	1.433502 887076
0.3	3.0	0.117961 884856	1.439898 850388
0.3	3.1	0.085636 792748	1.442876 636716

Table III

y	x	Cia(x,y)	Sia(x,y)
0.4	0.0	-0.488800 891142	0.000000 000000
0.4	0.1	-0.458563 553907	0.002006 540827
0.4	0.2	-0.378301 032522	0.014484 350580
0.4	0.3	-0.270283 510182	0.042236 680699
0.4	0.4	-0.154398 799671	0.084581 180267
0.4	0.5	-0.042852 224931	0.138435 422729
0.4	0.6	0.058444 808467	0.200476 617226
0.4	0.7	0.147267 165338	0.267919 076369
0.4	0.8	0.223242 946131	0.338610 173851
0.4	0.9	0.286845 844407	0.410920 305745
0.4	1.0	0.338894 240640	0.483609 679030
0.4	1.1	0.380315 336647	0.555720 683153
0.4	1.2	0.412039 535576	0.626500 398425
0.4	1.3	0.434956 949946	0.695347 016719
0.4	1.4	0.449902 821177	0.761773 216600
0.4	1.5	0.457655 868106	0.825381 080600
0.4	1.6	0.458941 940394	0.885844 766593
0.4	1.7	0.454439 395368	0.942898 380338
0.4	1.8	0.444784 573328	0.996327 348250
0.4	1.9	0.430576 691635	1.045962 156063
0.4	2.0	0.412381 928944	1.091673 691948
0.4	2.1	0.390736 680074	1.133369 678192
0.4	2.2	0.366150 052327	1.170991 838373
0.4	2.3	0.339105 706861	1.204513 556260
0.4	2.4	0.310063 154573	1.233937 856699
0.4	2.5	0.279458 609428	1.259295 589714
0.4	2.6	0.247705 491517	1.280643 734693
0.4	2.7	0.215194 659971	1.298063 766626
0.4	2.8	0.182294 444515	1.311660 044380
0.4	2.9	0.149350 534112	1.321558 194286
0.4	3.0	0.116685 772185	1.327903 471831
0.4	3.1	0.084599 900154	1.330859 091588

Table III

y	x	Cia(x,y)	Sia(x,y)
0.5	0.0	-0.323706 166964	0.000000 000000
0.5	0.1	-0.304144 488853	0.001300 924148
0.5	0.2	-0.250218 327114	0.009708 538342
0.5	0.3	-0.173230 063060	0.029532 324683
0.5	0.4	-0.085362 363758	0.061688 763590
0.5	0.5	0.003939 100013	0.104848 413922
0.5	0.6	0.088673 717165	0.156783 314086
0.5	0.7	0.165558 985143	0.215192 218271
0.5	0.8	0.233082 024443	0.278042 725556
0.5	0.9	0.290772 637075	0.343650 876547
0.5	1.0	0.338738 316802	0.410654 946812
0.5	1.1	0.377390 507512	0.477959 898613
0.5	1.2	0.407290 278183	0.544682 393569
0.5	1.3	0.429063 652937	0.610105 316288
0.5	1.4	0.443356 255105	0.673642 739448
0.5	1.5	0.450809 737513	0.734813 747935
0.5	1.6	0.452050 112315	0.793223 106852
0.5	1.7	0.447682 463082	0.848546 998140
0.5	1.8	0.438288 978256	0.900522 435296
0.5	1.9	0.424428 618904	0.948939 320162
0.5	2.0	0.406637 501685	0.993634 387191
0.5	2.1	0.385429 508025	1.034486 490654
0.5	2.2	0.361296 870875	1.071412 842944
0.5	2.3	0.334710 624437	1.104365 921864
0.5	2.4	0.306120 876180	1.133330 843343
0.5	2.5	0.275956 899939	1.158323 052579
0.5	2.6	0.244627 069487	1.179386 227377
0.5	2.7	0.212518 661201	1.196590 317208
0.5	2.8	0.179997 557971	1.210029 663307
0.5	2.9	0.147407 886354	1.219821 161359
0.5	3.0	0.115071 617377	1.226102 440405
0.5	3.1	0.083288 158689	1.229030 040759

Table III

y	x	Cia(x,y)	Sia(x,y)
0.6	0.0	-0.202706 812469	0.000000 000000
0.6	0.1	-0.189041 398806	0.000909 885930
0.6	0.2	-0.150542 969308	0.006922 241904
0.6	0.3	-0.093540 280970	0.021620 726021
0.6	0.4	-0.025689 901960	0.046478 817782
0.6	0.5	0.046131 279839	0.081218 828392
0.6	0.6	0.116767 002212	0.124539 089358
0.6	0.7	0.182813 560535	0.174737 544521
0.6	0.8	0.242258 868563	0.230089 670450
0.6	0.9	0.294066 502621	0.289025 069898
0.6	1.0	0.337837 407631	0.350184 878137
0.6	1.1	0.373570 929065	0.412421 605591
0.6	1.2	0.401507 510018	0.474776 501835
0.6	1.3	0.422029 012694	0.536451 455107
0.6	1.4	0.435596 886953	0.596782 556754
0.6	1.5	0.442714 286981	0.655217 687670
0.6	1.6	0.443903 032614	0.711298 410306
0.6	1.7	0.439689 658045	0.764645 670221
0.6	1.8	0.430596 971717	0.814948 605350
0.6	1.9	0.417138 926960	0.861955 786236
0.6	2.0	0.399817 457429	0.905468 312134
0.6	2.1	0.379120 458316	0.945334 302176
0.6	2.2	0.355520 418855	0.981444 423227
0.6	2.3	0.329473 411267	1.013728 180515
0.6	2.4	0.301418 264224	1.042150 763549
0.6	2.5	0.271775 824762	1.066710 291291
0.6	2.6	0.240948 258642	1.087435 339814
0.6	2.7	0.209318 367605	1.104382 665451
0.6	2.8	0.177248 918664	1.117635 059391
0.6	2.9	0.145081 990346	1.127299 286941
0.6	3.0	0.113138 346130	1.133504 078031
0.6	3.1	0.081716 847858	1.136398 145842

Table III

y	x	Cia(x,y)	Sia(x,y)
0.7	0.0	-0.111930 378639	0.000000 000000
0.7	0.1	-0.101854 179377	0.000671 391502
0.7	0.2	-0.073080 943980	0.005169 692967
0.7	0.3	-0.029453 670541	0.016429 900359
0.7	0.4	0.024014 134137	0.036034 150462
0.7	0.5	0.082352 064370	0.064270 241084
0.7	0.6	0.141388 442588	0.100495 133930
0.7	0.7	0.198008 504399	0.143546 624155
0.7	0.8	0.250094 138407	0.192062 117093
0.7	0.9	0.296331 924490	0.244676 257499
0.7	1.0	0.336004 006744	0.300122 629123
0.7	1.1	0.368810 667021	0.357274 612916
0.7	1.2	0.394735 964076	0.415152 979573
0.7	1.3	0.413951 978813	0.472917 692992
0.7	1.4	0.426752 854559	0.529853 680395
0.7	1.5	0.433510 200694	0.585355 486779
0.7	1.6	0.434643 207649	0.638913 013464
0.7	1.7	0.430598 659193	0.690099 129654
0.7	1.8	0.421837 511963	0.738559 268265
0.7	1.9	0.408825 795946	0.784002 825684
0.7	2.0	0.392028 342837	0.826196 086209
0.7	2.1	0.371904 358766	0.864956 382436
0.7	2.2	0.348904 197563	0.900147 230981
0.7	2.3	0.323466 915697	0.931674 223199
0.7	2.4	0.296018 338371	0.959481 491045
0.7	2.5	0.266969 463865	0.983548 604916
0.7	2.6	0.236715 097565	1.003887 791120
0.7	2.7	0.205632 649213	1.020541 382029
0.7	2.8	0.174081 054563	1.033579 432420
0.7	2.9	0.142399 800592	1.043097 451914
0.7	3.0	0.110908 044851	1.049214 216500
0.7	3.1	0.079903 826797	1.052069 632354

Table III

y	x	Cia(x,y)	Sia(x,y)
0.8	0.0	-0.042910 551268	0.000000 000000
0.8	0.1	-0.035177 777432	0.000515 489452
0.8	0.2	-0.012897 638090	0.004001 135156
0.8	0.3	0.021436 988807	0.012868 732863
0.8	0.4	0.064401 536247	0.028630 975601
0.8	0.5	0.112357 414268	0.051853 423333
0.8	0.6	0.161994 113112	0.082323 193674
0.8	0.7	0.210611 826994	0.119302 883791
0.8	0.8	0.256189 484203	0.161769 087600
0.8	0.9	0.297326 175846	0.208590 820740
0.8	1.0	0.333130 796980	0.258643 663008
0.8	1.1	0.363105 305887	0.310873 249654
0.8	1.2	0.387042 528677	0.364324 819000
0.8	1.3	0.404944 696031	0.418152 447398
0.8	1.4	0.416961 829822	0.471617 311621
0.8	1.5	0.423346 536265	0.524080 739006
0.8	1.6	0.424421 387027	0.574995 325004
0.8	1.7	0.420555 557809	0.623895 843750
0.8	1.8	0.412148 104805	0.670390 768049
0.8	1.9	0.399615 928320	0.714154 712374
0.8	2.0	0.383385 016605	0.754921 851213
0.8	2.1	0.363883 975029	0.792480 240716
0.8	2.2	0.341539 145826	0.826666 921683
0.8	2.3	0.316770 837575	0.857363 670669
0.8	2.4	0.289990 334214	0.884493 273347
0.8	2.5	0.261597 458049	0.908016 209377
0.8	2.6	0.231978 534315	0.927927 655599
0.8	2.7	0.201504 655078	0.944254 731049
0.8	2.8	0.170530 175143	0.957053 922928
0.8	2.9	0.139391 396402	0.966408 645547
0.8	3.0	0.108405 413450	0.972426 895666
0.8	3.1	0.077869 104342	0.975238 976903

Table III

y	x	Cia(x,y)	Sia(x,y)
0.9	0.0	0.009918 389813	0.000000 000001
0.9	0.1	0.016038 138352	0.000408 093160
0.9	0.2	0.033780 894958	0.003185 245444
0.9	0.3	0.061439 910708	0.010332 104151
0.9	0.4	0.096582 820406	0.023230 374939
0.9	0.5	0.136492 199941	0.042563 669300
0.9	0.6	0.178543 735561	0.068385 825812
0.9	0.7	0.220451 277243	0.100270 902325
0.9	0.8	0.260377 094179	0.137480 696843
0.9	0.9	0.296943 209991	0.179109 885850
0.9	1.0	0.329186 409723	0.224193 770258
0.9	1.1	0.356490 138589	0.271779 454364
0.9	1.2	0.378513 665189	0.320968 031736
0.9	1.3	0.395128 561634	0.370936 454158
0.9	1.4	0.406366 036814	0.420946 377082
0.9	1.5	0.412375 216013	0.470345 282375
0.9	1.6	0.413390 972857	0.518563 399410
0.9	1.7	0.409709 497438	0.565108 612981
0.9	1.8	0.401669 863095	0.609560 639534
0.9	1.9	0.389640 122221	0.651565 173326
0.9	2.0	0.374006 765872	0.690828 351153
0.9	2.1	0.355166 658139	0.727111 678517
0.9	2.2	0.333520 783054	0.760227 446218
0.9	2.3	0.309469 319148	0.790034 608084
0.9	2.4	0.283407 690203	0.816435 063851
0.9	2.5	0.255723 340308	0.839370 283302
0.9	2.6	0.226793 053632	0.858818 208970
0.9	2.7	0.196980 692166	0.874790 380907
0.9	2.8	0.166635 262641	0.887329 234959
0.9	2.9	0.136089 251067	0.896505 534508
0.9	3.0	0.105657 182681	0.902415 903455
0.9	3.1	0.075634 379061	0.905180 435734

Table III

y	x	Cia(x,y)	Sia(x,y)
1.0	0.0	0.050413 760456	0.000000 000001
1.0	0.1	0.055376 515487	0.000331 016652
1.0	0.2	0.069829 726412	0.002594 083827
1.0	0.3	0.092551 765694	0.008467 316080
1.0	0.4	0.121754 080372	0.019188 735119
1.0	0.5	0.155362 392443	0.035474 440401
1.0	0.6	0.191280 959069	0.057536 515929
1.0	0.7	0.227589 228812	0.085168 141723
1.0	0.8	0.262656 255537	0.117856 922907
1.0	0.9	0.295184 086747	0.154896 284258
1.0	1.0	0.324202 043406	0.195478 406808
1.0	1.1	0.349033 422888	0.238763 504922
1.0	1.2	0.369250 782953	0.283926 994741
1.0	1.3	0.384629 902203	0.330188 946797
1.0	1.4	0.395107 703138	0.376830 657584
1.0	1.5	0.400746 260068	0.423202 503543
1.0	1.6	0.401703 211144	0.468726 244740
1.0	1.7	0.398208 012243	0.512894 006650
1.0	1.8	0.390543 137114	0.555265 420196
1.0	1.9	0.379029 284912	0.595463 856816
1.0	2.0	0.364013 746871	0.633172 323342
1.0	2.1	0.345861 221312	0.668129 337597
1.0	2.2	0.324946 507651	0.700124 951878
1.0	2.3	0.301648 636053	0.728996 998027
1.0	2.4	0.276346 094563	0.754627 573263
1.0	2.5	0.249412 899148	0.776939 756479
1.0	2.6	0.221215 317233	0.795894 530097
1.0	2.7	0.192109 105085	0.811487 877276
1.0	2.8	0.162437 156753	0.823748 023999
1.0	2.9	0.132527 490537	0.832732 798276
1.0	3.0	0.102691 519380	0.838527 082583
1.0	3.1	0.073222 567143	0.841240 339992

Table III

y	x	Cia(x,y)	Sia(x,y)
1.1	0.0	0.081355 000268	0.000000 000001
1.1	0.1	0.085459 981525	0.000273 850308
1.1	0.2	0.097455 219690	0.002152 550015
1.1	0.3	0.116433 438603	0.007059 369459
1.1	0.4	0.141039 094188	0.016095 430880
1.1	0.5	0.169654 661603	0.029965 046257
1.1	0.6	0.200587 834428	0.048969 120379
1.1	0.7	0.232225 019741	0.073050 803246
1.1	0.8	0.263135 266244	0.101870 185913
1.1	0.9	0.292125 171077	0.134886 865475
1.1	1.0	0.318254 793563	0.171435 989760
1.1	1.1	0.340827 427061	0.210790 619970
1.1	1.2	0.359364 735769	0.252208 649688
1.1	1.3	0.373575 754506	0.294965 634268
1.1	1.4	0.383325 176772	0.338376 192374
1.1	1.5	0.388603 922654	0.381806 836058
1.1	1.6	0.389503 319589	0.424682 737772
1.1	1.7	0.386193 224714	0.466490 413335
1.1	1.8	0.378903 879455	0.506777 777948
1.1	1.9	0.367911 044936	0.545152 595571
1.1	2.0	0.353523 896807	0.581280 006961
1.1	2.1	0.336075 177756	0.614879 579593
1.1	2.2	0.315913 165433	0.645722 154901
1.1	2.3	0.293395 085993	0.673626 655200
1.1	2.4	0.268881 673899	0.698456 939652
1.1	2.5	0.242732 641138	0.720118 752406
1.1	2.6	0.215302 871824	0.738556 778055
1.1	2.7	0.186939 200665	0.753751 803802
1.1	2.8	0.157977 667881	0.765717 979386
1.1	2.9	0.128741 169313	0.774500 162481
1.1	3.0	0.099537 441270	0.780171 336744
1.1	3.1	0.070657 334817	0.782830 090910

Table III

y	x	Cia(x,y)	Sia(x,y)
1.2	0.0	0.104804 764679	0.000000 000001
1.2	0.1	0.108256 350325	0.000230 291474
1.2	0.2	0.118368 184536	0.001814 333909
1.2	0.3	0.134445 290581	0.005971 921419
1.2	0.4	0.155432 976667	0.013680 862995
1.2	0.5	0.180044 541179	0.025612 037993
1.2	0.6	0.206896 339297	0.042111 633286
1.2	0.7	0.234626 776527	0.063223 148667
1.2	0.8	0.261985 619835	0.088735 492871
1.2	0.9	0.287890 110093	0.118242 821192
1.2	1.0	0.311451 527534	0.151204 761666
1.2	1.1	0.331979 314920	0.186999 947081
1.2	1.2	0.348970 387316	0.224969 626705
1.2	1.3	0.362090 125994	0.264450 847922
1.2	1.4	0.371149 834335	0.304800 239331
1.2	1.5	0.376083 774634	0.345410 075155
1.2	1.6	0.376927 585273	0.385718 393639
1.2	1.7	0.373798 951094	0.425214 751565
1.2	1.8	0.366880 810145	0.463442 900620
1.2	1.9	0.356407 040552	0.500001 368059
1.2	2.0	0.342650 399764	0.534542 659346
1.2	2.1	0.325912 421048	0.566771 588808
1.2	2.2	0.306514 964713	0.596443 083744
1.2	2.3	0.284793 144282	0.623359 691241
1.2	2.4	0.261089 384140	0.647368 934449
1.2	2.5	0.235748 404738	0.668360 609251
1.2	2.6	0.209112 968604	0.686264 074449
1.2	2.7	0.181520 253673	0.701045 564412
1.2	2.8	0.153298 748586	0.712705 537976
1.2	2.9	0.124765 587476	0.721276 068605
1.2	3.0	0.096224 260394	0.726818 275627
1.2	3.1	0.067962 650397	0.729419 794698

Table III

y	x	Cia(x,y)	Sia(x,y)
1.3	0.0	0.122328 984061	0.000000 000001
1.3	0.1	0.125271 481818	0.000196 345009
1.3	0.2	0.133909 173617	0.001549 675073
1.3	0.3	0.147695 619031	0.005115 467026
1.3	0.4	0.165791 325571	0.011763 213329
1.3	0.5	0.187154 046244	0.022121 001687
1.3	0.6	0.210638 179792	0.036553 401330
1.3	0.7	0.235087 305181	0.055169 467740
1.3	0.8	0.259409 069932	0.077852 857365
1.3	0.9	0.282627 797285	0.104304 500572
1.3	1.0	0.303915 250125	0.134089 311781
1.3	1.1	0.322603 098631	0.166680 768223
1.3	1.2	0.338181 858335	0.201499 751084
1.3	1.3	0.350290 959671	0.237946 157031
1.3	1.4	0.358703 809044	0.275423 227324
1.3	1.5	0.363310 686328	0.313355 351799
1.3	1.6	0.364101 376743	0.351200 447656
1.3	1.7	0.361148 677000	0.388458 060608
1.3	1.8	0.354593 369259	0.424674 226596
1.3	1.9	0.344630 893998	0.459443 958528
1.3	2.0	0.331499 731939	0.492412 039583
1.3	2.1	0.315471 383564	0.523272 638705
1.3	2.2	0.296841 778111	0.551768 126521
1.3	2.3	0.275923 927012	0.577687 362035
1.3	2.4	0.253041 642722	0.600863 638280
1.3	2.5	0.228524 160944	0.621172 415948
1.3	2.6	0.202701 525899	0.638528 930536
1.3	2.7	0.175900 620769	0.652885 729129
1.3	2.8	0.148441 746159	0.664230 172532
1.3	2.9	0.120635 667825	0.672581 924863
1.3	3.0	0.092781 070596	0.677990 444213
1.3	3.1	0.065162 368347	0.680532 482901

Table III

y	x	Cia(x,y)	Sia(x,y)
1.4	0.0	0.135137 839061	0. 000000 000001
1.4	0.1	0.137676 021398	0. 000169 379904
1.4	0.2	0.145138 742419	0. 001338 767113
1.4	0.3	0.157086 697269	0. 004429 443807
1.4	0.4	0.172838 362259	0. 010216 810925
1.4	0.5	0.191535 641273	0. 019283 389170
1.4	0.6	0.212218 470672	0. 031995 780728
1.4	0.7	0.233897 354523	0. 048504 514782
1.4	0.8	0.255615 552465	0. 068762 129113
1.4	0.9	0.276496 382732	0. 092553 185546
1.4	1.0	0.295774 587027	0. 119529 994561
1.4	1.1	0.312813 205042	0. 149249 009433
1.4	1.2	0.327108 752844	0. 181204 460694
1.4	1.3	0.338287 885904	0. 214857 335944
1.4	1.4	0.346098 490933	0. 249659 009150
1.4	1.5	0.350397 607496	0. 285069 623277
1.4	1.6	0.351137 959485	0. 320571 779404
1.4	1.7	0.348354 309194	0. 355680 276891
1.4	1.8	0.342150 389226	0. 389948 675145
1.4	1.9	0.332686 829663	0. 422973 382190
1.4	2.0	0.320170 266568	0. 454395 869804
1.4	2.1	0.304843 669558	0. 483903 500269
1.4	2.2	0.286977 838834	0. 511229 343164
1.4	2.3	0.266863 976796	0. 536151 269397
1.4	2.4	0.244807 220684	0. 558490 535152
1.4	2.5	0.221121 020566	0. 578110 010960
1.4	2.6	0.196122 254053	0. 594912 166789
1.4	2.7	0.170126 980728	0. 608836 891872
1.4	2.8	0.143446 752205	0. 619859 204177
1.4	2.9	0.116385 406927	0. 627986 888064
1.4	3.0	0.089236 290805	0. 633258 086709
1.4	3.1	0.062279 854975	0. 635738 868590

Table III

y	x	Cia(x,y)	Sia(x,y)
1.5	0.0	0.144179 840834	0.000000 000002
1.5	0.1	0.146391 603297	0.000147 606703
1.5	0.2	0.152902 987012	0.001168 026867
1.5	0.3	0.163354 028244	0.003871 769842
1.5	0.4	0.177181 861533	0.008952 830600
1.5	0.5	0.193669 646376	0.016948 825674
1.5	0.6	0.212003 624980	0.028218 691026
1.5	0.7	0.231330 568361	0.042937 897524
1.5	0.8	0.250809 320520	0.061108 530943
1.5	0.9	0.269652 435318	0.082580 098052
1.5	1.0	0.287156 262076	0.107076 578039
1.5	1.1	0.302719 744291	0.134225 747006
1.5	1.2	0.315853 426103	0.163587 761462
1.5	1.3	0.326180 736953	0.194681 045573
1.5	1.4	0.333433 703556	0.227004 459262
1.5	1.5	0.337445 012078	0.260055 428654
1.5	1.6	0.338137 977073	0.293344 184952
1.5	1.7	0.335515 580071	0.326404 518515
1.5	1.8	0.329649 386571	0.358801 567669
1.5	1.9	0.320668 861622	0.390137 176572
1.5	2.0	0.308751 387219	0.420053 316250
1.5	2.1	0.294113 131100	0.448233 996704
1.5	2.2	0.277000 814783	0.474406 023956
1.5	2.3	0.257684 364805	0.498338 885479
1.5	2.4	0.236450 395428	0.519843 985613
1.5	2.5	0.213596 453467	0.538773 400424
1.5	2.6	0.189425 950595	0.555018 280102
1.5	2.7	0.164243 709767	0.568506 994621
1.5	2.8	0.138352 058521	0.579203 093349
1.5	2.9	0.112047 408909	0.587103 131170
1.5	3.0	0.085617 272003	0.592234 399788
1.5	3.1	0.059337 662607	0.594652 593416

Table III

y	x	Cia(x,y)	Sia(x,y)
1.6	0.0	0.150206 784331	0.000000 000002
1.6	0.1	0.152151 237106	0.000129 774202
1.6	0.2	0.157881 728412	0.001027 893879
1.6	0.3	0.167098 421754	0.003412 511637
1.6	0.4	0.179329 425999	0.007907 207269
1.6	0.5	0.193968 081210	0.015007 057944
1.6	0.6	0.210317 371835	0.025057 812916
1.6	0.7	0.227635 936019	0.038248 608721
1.6	0.8	0.245180 891797	0.054616 757941
1.6	0.9	0.262244 103554	0.074061 904198
1.6	1.0	0.278180 105567	0.096366 343154
1.6	1.1	0.292425 316346	0.121218 443138
1.6	1.2	0.304509 212079	0.148236 631241
1.6	1.3	0.314058 733841	0.176992 110588
1.6	1.4	0.320797 437703	0.207029 166021
1.6	1.5	0.324540 868667	0.237882 494448
1.6	1.6	0.325189 455345	0.269091 424702
1.6	1.7	0.322719 972228	0.300211 171750
1.6	1.8	0.317176 359300	0.330821 429073
1.6	1.9	0.308660 458655	0.360532 671013
1.6	2.0	0.297323 039189	0.388990 547088
1.6	2.1	0.283355 335888	0.415878 724110
1.6	2.2	0.266981 225330	0.440920 489309
1.6	2.3	0.248450 086772	0.463879 378875
1.6	2.4	0.228030 351413	0.484559 048558
1.6	2.5	0.206003 713823	0.502802 559970
1.6	2.6	0.182659 964200	0.518491 219655
1.6	2.7	0.158292 393519	0.531543 077670
1.6	2.8	0.133193 722222	0.541911 168071
1.6	2.9	0.107652 505421	0.549581 555038
1.6	3.0	0.081949 971594	0.554571 233768
1.6	3.1	0.056357 256133	0.556925 924009

Table III

y	x	Cia(x,y)	Sia(x,y)
1.7	0.0	0.153819 889661	0.000000 000002
1.7	0.1	0.155542 694179	0.000114 986367
1.7	0.2	0.160624 430016	0.000911 484659
1.7	0.3	0.168811 758653	0.003029 930538
1.7	0.4	0.179703 823711	0.007032 880742
1.7	0.5	0.192781 236977	0.013375 984515
1.7	0.6	0.207441 218209	0.022388 900641
1.7	0.7	0.223034 867194	0.034266 793682
1.7	0.8	0.238902 918560	0.049071 648862
1.7	0.9	0.254407 193801	0.066741 642864
1.7	1.0	0.268956 040233	0.087106 294679
1.7	1.1	0.282023 083881	0.109905 057713
1.7	1.2	0.293159 457207	0.134807 278436
1.7	1.3	0.302000 223769	0.161431 890006
1.7	1.4	0.308266 018126	0.189365 702386
1.7	1.5	0.311761 004319	0.218179 606117
1.7	1.6	0.312368 195478	0.247442 374760
1.7	1.7	0.310043 036366	0.276732 020874
1.7	1.8	0.304805 976773	0.305644 835318
1.7	1.9	0.296734 590586	0.333802 339859
1.7	2.0	0.285955 641292	0.360856 426580
1.7	2.1	0.272637 366467	0.386492 964061
1.7	2.2	0.256982 155558	0.410434 133469
1.7	2.3	0.239219 720373	0.432439 729534
1.7	2.4	0.219600 806284	0.452307 628225
1.7	2.5	0.198391 456373	0.469873 589996
1.7	2.6	0.175867 818305	0.485010 537503
1.7	2.7	0.152311 470613	0.497627 419638
1.7	2.8	0.128005 237880	0.507667 752168
1.7	2.9	0.103229 461940	0.515107 906461
1.7	3.0	0.078258 696399	0.519955 203600
1.7	3.1	0.053358 793137	0.522245 859436

Table III

y	x	Cia(x,y)	Sia(x,y)
1.8	0.0	0.155503 381684	0.000000 000002
1.8	0.1	0.157040 366984	0.000102 587934
1.8	0.2	0.161577 338766	0.000813 743117
1.8	0.3	0.168897 565096	0.002707 944722
1.8	0.4	0.178656 567694	0.006294 704543
1.8	0.5	0.190405 061772	0.011993 582441
1.8	0.6	0.203617 179433	0.020116 871292
1.8	0.7	0.217721 003018	0.030860 639519
1.8	0.8	0.232128 599344	0.044303 790390
1.8	0.9	0.246263 278202	0.060413 999947
1.8	1.0	0.259582 526131	0.079058 918585
1.8	1.1	0.271595 820660	0.100020 865069
1.8	1.2	0.281877 186212	0.123013 341691
1.8	1.3	0.290072 840808	0.147697 965104
1.8	1.4	0.295904 587368	0.173700 748052
1.8	1.5	0.299169 745684	0.200627 011580
1.8	1.6	0.299738 439393	0.228074 511337
1.8	1.7	0.297548 989242	0.255644 602196
1.8	1.8	0.292602 057367	0.282951 439320
1.8	1.9	0.284954 064179	0.309629 327944
1.8	2.0	0.274710 280094	0.335338 398615
1.8	2.1	0.262017 887158	0.359768 813955
1.8	2.2	0.247059 217628	0.382643 717361
1.8	2.3	0.230045 305327	0.403721 122926
1.8	2.4	0. 211209 833479	0.422794 927015
1.8	2.5	0.190803 523138	0.439695 198713
1.8	2.6	0.169088 979863	0.454287 883797
1.8	2.7	0..146335 997994	0.466474 034648
1.8	2.8	0.122817 310571	0.476188 659503
1.8	2.9	0.098804 766261	0.483399 267770
1.8	3.0	0.074565 911845	0.488104 174399
1.8	3.1	0.050360 956871	0.490330 614685

Table III

y	x	Cia(x,y)	Sia(x,y)
1.9	0.0	0.155649 436795	0.000000 000003
1.9	0.1	0.157029 109241	0.000092 090806
1.9	0.2	0.161104 260621	0.000730 889018
1.9	0.3	0.167687 439201	0.002434 458662
1.9	0.4	0.176479 571648	0.005666 032140
1.9	0.5	0.187088 411480	0.010812 370687
1.9	0.6	0.199051 522028	0.018168 127180
1.9	0.7	0.211861 558892	0.027926 885265
1.9	0.8	0.224991 669692	0.040178 780595
1.9	0.9	0.237919 155382	0.054913 980386
1.9	1.0	0.250146 030953	0.072030 877228
1.9	1.1	0.261215 670911	0.091347 660661
1.9	1.2	0.270725 234159	0.112615 933908
1.9	1.3	0.278333 971545	0.135535 189244
1.9	1.4	0.283767 806035	0.159767 182981
1.9	1.5	0.286820 740220	0.184949 503922
1.9	1.6	0.287353 710259	0.210707 871532
1.9	1.7	0.285291 496582	0.236666 905627
1.9	1.8	0.280618 244175	0.262459 271116
1.9	1.9	0.273372 066126	0.287733 216655
1.9	2.0	0.263639 114384	0.312158 602620
1.9	2.1	0.251547 417486	0.335431 556616
1.9	2.2	0.237260 708827	0.357277 915599
1.9	2.3	0.220972 405907	0.377455 616196
1.9	2.4	0.202899 850070	0.395756 187779
1.9	2.5	0.183278 876452	0.412005 489975
1.9	2.6	0.162358 755448	0.426063 819732
1.9	2.7	0.140397 525242	0.437825 497102
1.9	2.8	0.117657 720506	0.447218 022665
1.9	2.9	0.094402 493036	0.454200 885686
1.9	3.0	0.070892 113347	0.458764 089113
1.9	3.1	0.047380 839325	0.460926 447231

Table III

y	x	Cia(x,y)	Sia(x,y)
2.0	0.0	0.154577 046452	0.000000 000003
2.0	0.1	0.155822 368482	0.000083 125387
2.0	0.2	0.159502 652911	0.000660 051012
2.0	0.3	0.165454 201695	0.002200 238490
2.0	0.4	0.173414 993063	0.005126 383142
2.0	0.5	0.183039 733880	0.009795 552522
2.0	0.6	0.193918 812867	0.016485 088344
2.0	0.7	0.205599 448906	0.025383 899116
2.0	0.8	0.217607 321896	0.036589 192688
2.0	0.9	0.229467 171818	0.050108 199531
2.0	1.0	0.240721 186887	0.065864 078688
2.0	1.1	0.250944 399627	0.083704 999662
2.0	1.2	0.259756 701739	0.103415 343769
2.0	1.3	0.266831 424481	0.124728 036884
2.0	1.4	0.271900 686576	0.147337 169633
2.0	1.5	0.274757 879942	0.170910 243331
2.0	1.6	0.275257 751407	0.195099 566396
2.0	1.7	0.273314 564248	0.219552 497540
2.0	1.8	0.268898 803771	0.243920 374410
2.0	1.9	0.262032 843361	0.267866 076508
2.0	2.0	0.252785 926687	0.291070 251376
2.0	2.1	0.241268 756560	0.313236 283918
2.0	2.2	0.227627 918944	0.334094 119852
2.0	2.3	0.212040 316479	0.353403 068170
2.0	2.4	0.194707 737806	0.370953 709806
2.0	2.5	0.175851 653171	0.386569 035077
2.0	2.6	0.155708 295214	0.400104 923321
2.0	2.7	0.134524 062889	0.411450 066663
2.0	2.8	0.112551 268461	0.420525 427706
2.0	2.9	0.090044 236352	0.427283 309944
2.0	3.0	0.067255 754189	0.431706 108018
2.0	3.1	0.044433 870388	0.433804 796439

Table III

y	x	Cia(x,y)	Sia(x,y)
2.1	0.0	0.152546 499858	0.000000 000004
2.1	0.1	0.153676 174560	0.000075 407676
2.1	0.2	0.157016 224124	0.000599 016922
2.1	0.3	0.162422 466469	0.001998 139557
2.1	0.4	0.169663 475271	0.004659 818756
2.1	0.5	0.178433 022976	0.008914 286855
2.1	0.6	0.188365 892324	0.015022 252396
2.1	0.7	0.199055 735971	0.023166 585478
2.1	0.8	0.210073 626848	0.033448 530157
2.1	0.9	0.220986 058260	0.045888 178175
2.1	1.0	0.231371 381951	0.060428 635142
2.1	1.1	0.240833 961402	0.076943 121680
2.1	1.2	0.249015 618104	0.095244 174923
2.1	1.3	0.255604 221655	0.115094 133903
2.1	1.4	0.260339 495488	0.136216 178625
2.1	1.5	0.263016 268851	0.158305 319049
2.1	1.6	0.263485 504666	0.181038 871671
2.1	1.7	0.261653 478408	0.204086 099428
2.1	1.8	0.257479 489451	0.227116 813164
2.1	1.9	0.250972 463728	0.249808 833355
2.1	2.0	0.242186 768173	0.271854 288619
2.1	2.1	0.231217 509939	0.292964 782530
2.1	2.2	0.218195 544730	0.312875 497396
2.1	2.3	0.203282 373867	0.331348 324916
2.1	2.4	0.186665 067243	0.348174 124109
2.1	2.5	0.168551 315271	0.363174 209069
2.1	2.6	0.149164 684709	0.376201 165425
2.1	2.7	0.128740 129384	0.387139 088583
2.1	2.8	0.107519 789673	0.395903 328120
2.1	2.9	0.085749 101265	0.402439 814089
2.1	3.0	0.063673 223066	0.406724 032369
2.1	3.1	0.041533 788169	0.408759 708003

Table III

y	x	Cia(x,y)	Sia(x,y)
2.2	0.0	0.149770 650229	0.000000 000004
2.2	0.1	0.150800 064679	0.000068 716517
2.2	0.2	0.153844 894925	0.000546 060347
2.2	0.3	0.158777 176630	0.001822 565734
2.2	0.4	0.165391 020195	0.004253 792339
2.2	0.5	0.173413 018658	0.008145 730563
2.2	0.6	0.182515 578765	0.013743 322145
2.2	0.7	0.192332 138398	0.021222 605020
2.2	0.8	0.202473 183870	0.030686 652814
2.2	0.9	0.212542 045237	0.042165 165023
2.2	1.0	0.222149 604046	0.055617 310179
2.2	1.1	0.230927 258502	0.070937 252480
2.2	1.2	0.238537 721946	0.087961 703486
2.2	1.3	0.244683 449287	0.106478 827804
2.2	1.4	0.249112 674889	0.126237 877493
2.2	1.5	0.251623 189808	0.146959 014812
2.2	1.6	0.252064 085761	0.168342 887177
2.2	1.7	0.250335 750747	0.190079 628065
2.2	1.8	0.246388 423736	0.211857 059173
2.2	1.9	0.240219 612089	0.233367 958613
2.2	2.0	0.231870 654397	0.254316 332599
2.2	2.1	0.221422 679307	0.274422 682497
2.2	2.2	0.208992 174669	0.293428 300172
2.2	2.3	0.194726 344682	0.311098 650064
2.2	2.4	0.178798 397308	0.327225 912883
2.2	2.5	0.161402 873946	0.341630 773162
2.2	2.6	0.142751 105920	0.354163 534677
2.2	2.7	0.123066 861072	0.364704 646003
2.2	2.8	0.102582 224480	0.373164 713532
2.2	2.9	0.081533 744651	0.379484 073200
2.2	3.0	0.060158 863913	0.383631 986306
2.2	3.1	0.038692 645043	0.385605 517045

Table III

y	x	Cia(x,y)	Sia(x,y)
2.3	0.0	0.146423 779510	0.000000 000004
2.3	0.1	0.147365 708191	0.000062 877679
2.3	0.2	0.150152 741444	0.000499 818349
2.3	0.3	0.154670 531163	0.001669 084747
2.3	0.4	0.160734 710196	0.003898 323482
2.3	0.5	0.168099 692082	0.007471 615318
2.3	0.6	0.176470 019936	0.012619 088038
2.3	0.7	0.185513 441136	0.019509 544483
2.3	0.8	0.194874 828351	0.028246 293805
2.3	0.9	0.204190 101785	0.038866 122958
2.3	1.0	0.213099 411559	0.051341 133925
2.3	1.1	0.221258 994405	0.065583 018568
2.3	1.2	0.228351 295469	0.081449 251841
2.3	1.3	0.234093 121264	0.098750 653722
2.3	1.4	0.238241 748281	0.117259 787998
2.3	1.5	0.240599 040840	0.136719 720417
2.3	1.6	0.241013 726196	0.156852 733750
2.3	1.7	0.239382 037397	0.177368 682782
2.3	1.8	0.235646 967561	0.197972 755035
2.3	1.9	0.229796 388330	0.218372 481175
2.3	2.0	0.221860 277516	0.238283 903379
2.3	2.1	0.211907 281793	0.257436 863824
2.3	2.2	0.200040 814502	0.275579 415786
2.3	2.3	0.186394 859870	0.292481 388666
2.3	2.4	0.171129 626542	0.307937 158170
2.3	2.5	0.154427 166281	0.321767 685116
2.3	2.6	0.136487 049862	0.333821 891170
2.3	2.7	0.117522 171259	0.343977 442497
2.3	2.8	0.097754 733651	0.352141 010450
2.3	2.9	0.077412 456473	0.358248 075065
2.3	3.0	0.056725 031096	0.362262 332973
2.3	3.1	0.035920 843542	0.364174 766233

Table III

y	x	Cia(x,y)	Sia(x,y)
2.4	0.0	0.142648 642607	0.000000 000005
2.4	0.1	0.143513 779094	0.000057 752374
2.4	0.2	0.146074 378407	0.000459 203383
2.4	0.3	0.150227 631254	0.001534 150227
2.4	0.4	0.155807 470867	0.003585 396371
2.4	0.5	0.162592 085806	0.006877 199648
2.4	0.6	0.170313 667808	0.011625 850216
2.4	0.7	0.178669 732433	0.017992 779023
2.4	0.8	0.187335 294842	0.026080 389525
2.4	0.9	0.195975 195965	0.035930 603064
2.4	1.0	0.204255 945046	0.047525 931439
2.4	1.1	0.211856 557706	0.060792 755591
2.4	1.2	0.218478 004101	0.075606 401195
2.4	1.3	0.223851 022591	0.091797 560887
2.4	1.4	0.227742 185985	0.109159 613770
2.4	1.5	0.229958 220084	0.127456 422691
2.4	1.6	0.230348 662279	0.146430 244645
2.4	1.7	0.228807 010712	0.165809 452663
2.4	1.8	0.225270 553247	0.185315 835988
2.4	1.9	0.219719 083004	0.204671 309704
2.4	2.0	0.212172 710931	0.223603 924030
2.4	2.1	0.202688 974882	0.241853 111336
2.4	2.2	0.191359 428894	0.259174 149585
2.4	2.3	0.178305 874738	0.275341 850771
2.4	2.4	0.163676 375316	0.290153 504254
2.4	2.5	0.147641 166762	0.303431 120635
2.4	2.6	0.130388 565183	0.315023 030246
2.4	2.7	0.112120 944734	0.324804 894926
2.4	2.8	0.093050 847633	0.332680 193911
2.4	2.9	0.073397 272023	0.338580 242813
2.4	3.0	0.053382 172302	0.342463 803154
2.4	3.1	0.033227 196841	0.344316 336346

Table III

y	x	Cia(x,y)	Sia(x,y)
2.5	0.0	0.138562 113608	0.000000 000006
2.5	0.1	0.139359 477538	0.000053 228930
2.5	0.2	0.141720 123690	0.000423 339215
2.5	0.3	0.145551 104108	0.001414 897897
2.5	0.4	0.150702 038619	0.003308 515446
2.5	0.5	0.156971 586134	0.006350 488750
2.5	0.6	0.164115 885946	0.010744 231045
2.5	0.7	0.171858 430525	0.016643 843608
2.5	0.8	0.179900 778267	0.024150 018621
2.5	0.9	0.187933 515734	0.033308 298050
2.5	1.0	0.195646 924695	0.044109 565620
2.5	1.1	0.202740 892767	0.056492 532248
2.5	1.2	0.208933 710601	0.070347 891467
2.5	1.3	0.213969 511110	0.085523 777416
2.5	1.4	0.217624 215324	0.101832 144750
2.5	1.5	0.219709 947118	0.119055 706667
2.5	1.6	0.220077 958941	0.136955 101921
2.5	1.7	0.218620 170760	0.155276 009630
2.5	1.8	0.215269 466263	0.173755 985805
2.5	1.9	0.209998 913581	0.192130 847289
2.5	2.0	0.202820 087367	0.210140 481718
2.5	2.1	0.193780 667669	0.227534 004731
2.5	2.2	0.182961 481272	0.244074 224326
2.5	2.3	0.170473 136077	0.259541 401347
2.5	2.4	0.156452 382719	0.273736 318907
2.5	2.5	0.141058 318267	0.286482 689161
2.5	2.6	0.124468 529657	0.297628 938369
2.5	2.7	0.106875 256688	0.307049 417642
2.5	2.8	0.088481 640301	0.314645 090387
2.5	2.9	0.069498 107498	0.320343 749427
2.5	3.0	0.050138 932940	0.324099 815792
2.5	3.1	0.030619 008248	0.325893 769308

Table III

y	x	Cia(x,y)	Sia(x,y)
2.6	0.0	0.134259 745274	0.000000 000006
2.6	0.1	0.134996 997448	0.000049 216697
2.6	0.2	0.137180 202124	0.000391 513689
2.6	0.3	0.140724 904344	0.001308 994479
2.6	0.4	0.145494 269509	0.003062 373773
2.6	0.5	0.151304 703139	0.005881 646792
2.6	0.6	0.157933 215852	0.009958 272285
2.6	0.7	0.165126 091032	0.015439 182288
2.6	0.8	0.172608 364058	0.022422 800751
2.6	0.9	0.180093 613906	0.030957 117125
2.6	1.0	0.187293 599079	0.041039 739169
2.6	1.1	0.193927 328927	0.052619 745326
2.6	1.2	0.199729 243517	0.065601 082379
2.6	1.3	0.204456 263962	0.079847 207343
2.6	1.4	0.207893 566125	0.095186 652943
2.6	1.5	0.209859 014338	0.111419 200670
2.6	1.6	0.210206 262737	0.128322 367762
2.6	1.7	0.208826 589064	0.145657 949488
2.6	1.8	0.205649 567185	0.163178 399578
2.6	1.9	0.200642 711188	0.180632 877233
2.6	2.0	0.193810 238697	0.197772 830691
2.6	2.1	0.185191 105336	0.214357 028431
2.6	2.2	0.174856 457533	0.230155 982969
2.6	2.3	0.162906 643032	0.244955 741118
2.6	2.4	0.149467 904934	0.258561 037718
2.6	2.5	0.134688 870739	0.270797 827747
2.6	2.6	0.118736 933345	0.281515 224490
2.6	2.7	0.101794 605796	0.290586 880601
2.6	2.8	0.084055 918018	0.297911 854141
2.6	2.9	0.065722 911431	0.303415 005629
2.6	3.0	0.047002 275916	0.307046 971960
2.6	3.1	0.028102 164707	0.308783 764480

Table III

y	x	Cia(x,y)	Sia(x,y)
2.7	0.0	0.129819 474889	0.000000 000007
2.7	0.1	0.130503 163811	0.000045 641465
2.7	0.2	0.132528 185596	0.000363 142918
2.7	0.3	0.135817 451466	0.001214 524073
2.7	0.4	0.140245 902914	0.002842 602304
2.7	0.5	0.145645 428507	0.005462 549883
2.7	0.6	0.151811 334324	0.009254 742661
2.7	0.7	0.158510 001064	0.014359 179610
2.7	0.8	0.165487 316339	0.020871 643393
2.7	0.9	0.172477 458338	0.028841 663123
2.7	1.0	0.179211 625559	0.038272 235436
2.7	1.1	0.185426 351831	0.049121 171722
2.7	1.2	0.190871 107666	0.061303 870586
2.7	1.3	0.195314 961442	0.074697 269213
2.7	1.4	0.198552 148200	0.089144 703616
2.7	1.5	0.200406 465876	0.104461 403642
2.7	1.6	0.200734 481447	0.120440 362339
2.7	1.7	0.199427 582564	0.136858 343625
2.7	1.8	0.196412 949331	0.153481 823290
2.7	1.9	0.191653 551258	0.170072 696330
2.7	2.0	0.185147 289951	0.186393 618292
2.7	2.1	0.176925 417950	0.202212 884126
2.7	2.2	0.167050 363981	0.217308 779146
2.7	2.3	0.155613 091108	0.231473 363833
2.7	2.4	0.142730 104701	0.244515 676656
2.7	2.5	0.128540 217237	0.256264 358035
2.7	2.6	0.113201 164291	0.266569 710837
2.7	2.7	0.096886 153619	0.275305 225186
2.7	2.8	0.079780 417354	0.282368 600503
2.7	2.9	0.062077 825807	0.287682 303895
2.7	3.0	0.043977 611284	0.291193 705186
2.7	3.1	0.025681 240389	0.292874 831512

Table III

y	x	Cia(x,y)	Sia(x,y)
2.8	0.0	0.125304 653797	0.000000 000008
2.8	0.1	0.125940 410385	0.000042 442023
2.8	0.2	0.127823 821240	0.000337 744889
2.8	0.3	0.130884 227772	0.001129 901769
2.8	0.4	0.135006 873049	0.002645 578596
2.8	0.5	0.140037 233073	0.005086 442740
2.8	0.6	0.145786 737499	0.008622 602334
2.8	0.7	0.152039 573420	0.013387 405010
2.8	0.8	0.158560 224079	0.019473 755609
2.8	0.9	0.165101 380233	0.026932 021399
2.8	1.0	0.171411 873129	0.035769 504419
2.8	1.1	0.177244 308599	0.045951 385110
2.8	1.2	0.182362 131415	0.057402 978259
2.8	1.3	0.186545 905623	0.070013 099717
2.8	1.4	0.189598 659747	0.083638 315958
2.8	1.5	0.191350 205054	0.098107 839916
2.8	1.6	0.191660 392114	0.113228 842492
2.8	1.7	0.190421 317459	0.128791 964724
2.8	1.8	0.187558 531490	0.144576 841106
2.8	1.9	0.183031 326339	0.160357 471833
2.8	2.0	0.176832 203116	0.175907 313818
2.8	2.1	0.168985 628312	0.191003 989374
2.8	2.2	0.159546 193631	0.205433 539497
2.8	2.3	0.148596 292983	0.218994 174976
2.8	2.4	0.136243 424899	0.231499 498672
2.8	2.5	0.122617 220743	0.242781 191612
2.8	2.6	0.107866 289903	0.252691 168817
2.8	2.7	0.092154 963468	0.261103 222830
2.8	2.8	0.075660 005146	0.267914 180295
2.8	2.9	0.058567 351664	0.273044 603554
2.8	3.0	0.041068 931678	0.276439 072433
2.8	3.1	0.023359 605919	0.278066 083692

Table III

y	x	Cia(x,y)	Sia(x,y)
2.9	0.0	0.120766 535958	0.000000 000009
2.9	0.1	0.121359 228757	0.000039 567540
2.9	0.2	0.123115 366172	0.000314 918779
2.9	0.3	0.125969 936215	0.001053 807509
2.9	0.4	0.129817 245420	0.002468 279274
2.9	0.5	0.134514 758058	0.004747 672778
2.9	0.6	0.139888 184560	0.008052 584864
2.9	0.7	0.145737 559037	0.012510 018844
2.9	0.8	0.151844 011074	0.018209 865898
2.9	0.9	0.157976 919795	0.025202 791045
2.9	1.0	0.163901 143836	0.033499 521072
2.9	1.1	0.169384 043433	0.043071 465173
2.9	1.2	0.174202 048664	0.053852 543728
2.9	1.3	0.178146 573797	0.065742 059067
2.9	1.4	0.181029 129043	0.078608 416657
2.9	1.5	0.182685 533413	0.092293 492258
2.9	1.6	0.182979 179509	0.106617 440547
2.9	1.7	0.181803 345731	0.121383 752029
2.9	1.8	0.179082 586742	0.136384 382141
2.9	1.9	0.174773 260275	0.151404 798726
2.9	2.0	0.168863 269765	0.166228 820552
2.9	2.1	0.161371 116073	0.180643 144321
2.9	2.2	0.152344 356037	0.194441 482401
2.9	2.3	0.141857 570619	0.207428 257506
2.9	2.4	0.130009 940711	0.219421 819821
2.9	2.5	0.116922 525343	0.230257 170063
2.9	2.6	0.102735 328490	0.239788 186065
2.9	2.7	0.087604 233747	0.247889 362522
2.9	2.8	0.071697 876642	0.254457 082023
2.9	2.9	0.055194 514776	0.259410 442662
2.9	3.0	0.038278 949209	0.262691 671485
2.9	3.1	0.021139 540344	0.264266 157709

Table III

y	x	Cia(x,y)	Sia(x,y)
3.0	0.0	0.116246 330569	0.000000 000010
3.0	0.1	0.116800 190600	0.000036 975334
3.0	0.2	0.118441 521685	0.000294 328895
3.0	0.3	0.121110 297443	0.000985 134940
3.0	0.4	0.124708 840775	0.002308 165342
3.0	0.5	0.129105 246705	0.004441 481820
3.0	0.6	0.134137 932807	0.007536 868630
3.0	0.7	0.139621 095503	0.011715 302506
3.0	0.8	0.145350 820041	0.017063 598998
3.0	0.9	0.151111 573821	0.023632 306608
3.0	1.0	0.156682 814965	0.031434 859778
3.0	1.1	0.161845 464348	0.040447 941360
3.0	1.2	0.166388 017147	0.050612 956908
3.0	1.3	0.170112 109102	0.061838 484658
3.0	1.4	0.172837 392587	0.074003 539104
3.0	1.5	0.174405 624952	0.086961 471485
3.0	1.6	0.174683 910410	0.100544 327328
3.0	1.7	0.173567 078084	0.114567 485982
3.0	1.8	0.170979 210863	0.128834 420861
3.0	1.9	0.166874 366261	0.143141 435474
3.0	2.0	0.161236 552730	0.157282 252060
3.0	2.1	0.154079 037150	0.171052 350629
3.0	2.2	0.145443 069805	0.184252 978405
3.0	2.3	0.135396 116492	0.196694 770704
3.0	2.4	0.124029 687191	0.208200 942400
3.0	2.5	0.111456 849287	0.218610 026842
3.0	2.6	0.097809 506930	0.227778 151609
3.0	2.7	0.083235 522161	0.235580 854183
3.0	2.8	0.067895 747284	0.241914 448920
3.0	2.9	0.051961 027919	0.246696 963781
3.0	3.0	0.035609 231072	0.249868 671979
3.0	3.1	0.019022 343137	0.251392 246940

Table III

y	x	Cia(x,y)	Sia(x,y)
3.1	0.0	0.111776 902233	0.000000 000011
3.1	0.1	0.112295 623991	0.000034 629759
3.1	0.2	0.113833 040386	0.000275 692655
3.1	0.3	0.116333 549635	0.000922 951039
3.1	0.4	0.119706 599469	0.002163 092382
3.1	0.5	0.123829 755769	0.004163 842663
3.1	0.6	0.128552 792046	0.007068 816671
3.1	0.7	0.133702 611423	0.010993 283739
3.1	0.8	0.139088 781838	0.016020 975439
3.1	0.9	0.144509 451202	0.022202 008542
3.1	1.0	0.149757 405231	0.029551 940463
3.1	1.1	0.154626 044187	0.038051 925647
3.1	1.2	0.158915 075828	0.047649 895567
3.1	1.3	0.162435 752318	0.058262 650514
3.1	1.4	0.165015 514002	0.069778 726812
3.1	1.5	0.166501 940725	0.082061 885781
3.1	1.6	0.166765 947716	0.094955 066343
3.1	1.7	0.165704 198020	0.108284 643630
3.1	1.8	0.163240 733253	0.121864 846539
3.1	1.9	0.159327 851440	0.135502 197018
3.1	2.0	0.153946 278818	0.148999 854790
3.1	2.1	0.147104 699658	0.162161 766478
3.1	2.2	0.138838 716998	0.174796 538170
3.1	2.3	0.129209 323004	0.186720 969261
3.1	2.4	0.118300 960605	0.197763 202321
3.1	2.5	0.106219 256512	0.207765 459277
3.1	2.6	0.093088 502419	0.216586 348231
3.1	2.7	0.079048 957101	0.224102 737025
3.1	2.8	0.064254 035775	0.230211 198489
3.1	2.9	0.048867 447264	0.234829 041804
3.1	3.0	0.033060 331386	0.237894 948154
3.1	3.1	0.017008 443968	0.239369 236039

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